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PENN STATE



INTERCOM

August 21, 1997

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Volume 27, Number 1



Sign of the times

Across the University, employees like Joel Maguire are getting ready for the return of the fall semester and the thousands of students it brings with it. Maguire, one of three sign painters at University Park, cleans up a sign that will provide much-needed direction to new students, staff and faculty.

Photo: Greg Grieco

Housing employees gearing up for onslaught

By LISA M. ROSELLINI
Public Information

Despite the fact that the University actually offered admittance to a smaller-than-normal number of incoming freshmen this year, a record-high number of students have accepted their invitations.

This year's incoming freshmen class, estimated to be about 12,000 students University-wide, is expected to be the second largest in history. At University Park, preliminary numbers

indicate that about 5,200 freshmen have either started or will begin their programs.

Although the numbers are still not firm, it is anticipated that University Park will see an increase in the freshman class of about 400 students over last year's numbers. This will, however, be nearly 450 students fewer than 1995's freshman class.

Housing employees at University Park are preparing to put up about 990 freshmen and upperclass students in temporary housing, where lounge

space is converted to student accommodations. Extra telephone connections and extra Ethernet computer data ports have been installed. Over the last two years, the University also has purchased new furniture for the study lounges to make them more comfortable as living quarters.

In addition to the incoming freshmen, University Park also will have to accommodate students entering their junior year who are transferring from another Penn State location. About 700

See "Housing" on page 3

Spanier's annual address will be held on Sept. 12

The president's annual State of the University address—a time to reflect on past accomplishments and outline plans for the future—is scheduled for 4 p.m. Friday, Sept. 12, in Eisenhower Auditorium on the University Park campus. All faculty, staff and students are encouraged to attend. This is the third time President Graham B. Spanier will give the address where he is expected to unveil several initiatives that will have great impact on the University.

More information about the address will be included in the Aug. 28 issue of *Intercom*.

New partnership to provide bus service

Starting Aug. 23, Penn State students and employees riding the Commuter Express at the University Park campus will enjoy enhanced services under a new collaborative arrangement between Penn State's Office of Business Services' Transportation Services and the Centre Area Transportation Authority.

Riders traveling to and from the University's Commuter Lot, next to The Bryce Jordan Center, will now board blue and white Campus LOOP buses or orange and white Town LOOP buses, run by CATA, both of which will provide service to the lot. Each Commuter Lot parking permit, which costs \$9 per month for faculty and staff, will include a bus pass good on any LOOP bus Monday through Friday. Approximately 5,600 people took advantage last year of the bus service from the commuter lot, according to Transportation Services.

"We are extremely enthused about the benefits the consolidation of the

See "CATA" on page 2

Inside



Read on!

This semester, 17,000 students at Penn State campuses across the state will have some top name newspapers at their fingertips through an innovative new program that brings the publications to their residence halls. For more information, turn to page 7.



Fall beauty

For advice on how to spruce up an end-of-summer landscape that might look a little tired and worn, see the tips provided by a Penn State expert on page 11.

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GLAD you asked

Here's another edition of "Glad You Asked," a column that helps Penn State employees from any location find answers to the questions they've been pondering or to express their concerns about a wide range of issues. To submit a question for this column, please send e-mail to the address listed below. Submissions must include a contact name and telephone number so that *Intercom* can verify the source. Requests for anonymity will be honored.

Q: Recently I tried to find a bowl of soup for lunch at the HUB. It turns out that you can only get soup at Coaly's Cafe. Imagine my surprise to find cream of mushroom soup that had 39 grams of fat per serving! Shouldn't the University be helping staff and students to eat more nutritiously?

— Getting Fat at University Park

A: Thank you for your question regarding the menu selection at the HUB Eateries. A variety of soups is available Monday through Friday in several units: Food For Thought and Coaly's Cafe, which are open from 11 a.m. until 2 p.m., and the Greenhouse, which is open from 11 a.m. until 5 p.m. The HUB Eateries strives to satisfy a wide range of customers and we offer a broth soup and a cream soup daily. One of the soups is always vegetarian.

Due to the service line design in Coaly's Cafe, we are able to offer only one soup. To best satisfy our customer base, we feature a different soup every day. We provide nutritional information to help customers when making their selections. There is a sign at the beginning of each unit's serving line indicating the feature soups. Customers also may call our menu hotline for our daily menu at 865-4HUB.

In selecting soups, we follow current trends in the food industry and do in-house menu and recipe development. If you have a recipe that you would like us to test, please send it to me at 21 Hetzel Union Building. If you desire additional information regarding our menu selections, please contact me at (814) 865-7623.

— Donna Buchwalter
HUB Eateries Manager

ask@psu.edu •



All aboard

A Centre Area Transportation Authority bus pulls to a stop near Recreation Building on the University Park campus. Riders should see enhanced services from a new arrangement between Penn State and CATA.

Photo: Greg Grieco

special events such as Ag Progress Days or the Arts Festival.

Ed Holmes, parking manager for the State College Borough, said the move to extend the current partnership between the University and CATA and to relocate the Park and Ride area is a good example of how the community and the University can collaborate on solutions to regional problems.

Penn Staters

Dr. Joanna Cain and Dr. Rodrigue Mortel have been named to *Good Housekeeping's* list of "America's Best Doctors for Women." The list, which appeared in the August 1997 issue, included 401 doctors found by surveying major medical centers across the country.

Both physicians are with the Penn State Geisinger Health System, The Milton S. Hershey Medical Center, and were named for their expertise as cancer specialists in gynecologic oncology. Cain is director of obstetrics and gynecology for Penn State Geisinger and Mortel is associate dean and director of the Geisinger

Cancer Center. Both are professors of obstetrics and gynecology in the College of Medicine.

Three faculty in the College of Agricultural Sciences were chosen to serve on the International Planning Committee for the third Conference on Farm Animal Endocrinology to be held in Brussels, Belgium in December. They are: **Terry Etherton**, distinguished professor of animal nutrition; **Daniel Deaver**, professor of reproductive physiology; and **Regina Vasilatos-Younken**, associate professor of poultry science.

CATA

continued from page 1

Commuter Express and LOOP will now offer for employees, students and town residents," said Betty Roberts, assistant vice president, University Business Services. "Because the LOOP travels throughout the campus and downtown State College, commuters parking in the Commuter Lot will be able to reach many more destinations."

In addition to having more stops to choose from, Roberts said the arrangement also enables LOOP buses to run more frequently — every eight minutes all day. The hours of operation also are extended by the new arrangement.

The partnership provides commuters service Monday through Thursday from 7:30 a.m. until midnight; and Friday from 7:30 a.m. until 3 a.m.

Hugh Mose, general manager of CATA, said the extension of the LOOP service to the remote parking lot also will allow CATA's Park and Ride program, as it is called, to return to the east campus area where it was originally located.

"Moving the Park and Ride lot will make additional parking space available as the program grows, while the more frequent LOOP service will increase the convenience for people traveling between downtown and the remote parking area," he said.

CATA, which served about 22 million riders last year, is a joint municipal authority representing State College Borough, and Patton, Harris, Ferguson and College townships. The municipally funded entity runs several services including the 12-route Centre Line system, which provides service between downtown State College, the campus and surrounding areas; the Park and Ride program, which transports people from the remote University commuter lot to various destinations across campus and town; LOOP service; transportation for seniors and individuals with disabilities; and shuttle service for

The Korean Institute for Special Education has invited **Richard Fox** professor of psychology at Penn State Harrisburg, to be an instructor for a November seminar on "Teaching Strategies for Severely and Profoundly Handicapped Children" in Seoul. The other instructor is from Cologne University in Germany.

Winston A. Richards, professor of mathematics and statistics at Penn State Harrisburg, has been named a Fellow of the American Statistical Association for his contributions to the profession.

Housing

continued from page 1

students seeking on-campus housing will transfer to University Park from other Penn State locations.

The greater influx of students will, of course, have an effect on other areas of the University Park campus, such as parking, food services, laundry facilities and academics. The University has already added more course sections to accommodate the additional students.

"Extra students, of course, have an impact on the entire University, but with much help from the provost's office and the individual colleges, we have addressed the critical area of academics and are making certain that students have access to the classes they need to begin to make progress in their respective degree programs," John J. Romano, vice provost and dean for enrollment management and administration, said.

"This is a temporary situation, although we will be dealing with it throughout the semester," Fred Fotis, director of Housing, said. "We've planned for this, we are prepared for it. Every fall we have residents in temporary housing, but we know many students will be placed in regular spaces in the first four weeks of the school year.

"Someone's ability to attend the college of his or her choice should really not be determined by the housing occupancy numbers," Fotis said. "We anticipate that there will be about 450 freshmen in temporary housing and the rest will be upperclassmen. Some might ask why we don't build another residence hall, but the truth of the matter is that our residence halls usually have something just under 100 percent occupancy as an average for the year, after final assignments for the year fall into place."

Fotis said housing is assigned on a first-come, first-served basis, meaning students who delay sending in their



Sprucing up

Ed Guyer from Chameleon Painting applies a topcoat of sealer to the exterior of Bigler Hall on the University Park campus in preparation for the return of students.

Photo: Greg Grieco

housing contracts are generally the ones assigned to temporary housing. Students who turn in housing contracts early, are assured of housing. Students in temporary housing will be reassigned to regular space based

on the date their original contract was received by the University.

"This really points out what a popular institution Penn State is, but it also clearly shows the need for more of our students to complete their

degrees on campuses other than University Park, if that is their desire," said President Graham B. Spanier. "We have moved in that direction and are in a transition period while the campuses get additional academic programs under way."

Spanier said the University's move to reorganize its Commonwealth campuses, which became official July 1, was a step toward handling the needs of placebound students throughout the state. It will also help contain enrollment growth at University Park. The president has repeatedly said the reorganization effort is being made to allow Penn State students to complete a Penn State degree. The redesign of Penn State is expected to accommodate the increased number of high school graduates entering colleges and universities in the coming years.

There is space for 12,670 students in University-owned housing facilities on the University Park campus. In a 1995 Penn State Pulse Survey of students assigned to temporary housing and a small sample of first-semester students assigned to regular housing, 64.3 percent said the University had been successful in dealing with the tight housing situation and 91.4 percent were satisfied with their living arrangements at the time of the October survey.

"That's part of the irony of the situation," Fotis said. "Students sometimes don't want to leave temporary housing. It becomes convenient, comfortable and they begin to make friends on the floor."

Students in temporary housing receive a 15 percent discount on room rates, and if a student is in temporary housing after a certain date, a portion of the room fee is returned. In addition, upperclassmen who signed housing contracts have already been contacted to see if they wish to cancel those contracts and seek off-campus housing arrangements without being penalized. Approximately 285 upperclass students so far have taken advantage of the offer.

Promotions

Staff

Jay E. Tressler, advance engineering aide in Applied Research Laboratory.

Vicki L. Van Dine, lead applications programmer/analyst in Corporate Controller's Office.

Janet E. Villastigo, manager, Pre-Press Services in Business Services.

Kathy L. Walker, staff assistant VIII in College of Arts and Architecture.

Mary Ann Walker, network coordinator in Computer and Information Systems-Telecommunications.

Michael A. Walker, network coordinator in Computer and Information Systems-Telecommunications.

Gerry L. Weaver, lead systems analyst in Computer

and Information Systems-Administrative Systems.

James C. Weaver, network coordinator in Computer and Information Systems-Telecommunications.

William V. Welch, manager, Network Systems in Computer and Information Systems-Telecommunications.

Sheila J. Wingard, staff assistant VI in Continuing and Distance Education.

June H. Wright, staff assistant VI in Eberly College of Science.

Lisa A. Young, accountant aide in Eberly College of Science.

Keith J. Zimmer, assistant manager, Housing and Food Services, Commonwealth Campuses in Housing and Food Services, Penn State Altoona.

Technical Service

Chestreann Bowman, snack-utility in Housing and Food Services.

Patricia A. Graham, snack bar worker B, Housing and Food Services at Penn State Altoona.

Roger A. Kwiatkowski, maintenance worker-utility at Penn State Shengo.

Jonathan P. Leslie, stockroom clerk C in Housing and Food Services.

George T. McConnell, maintenance mechanic B at Penn State Shengo.

Floyd J. Nymen, instrument maker C in Eberly College of Science.

Eugene G. Rockey, relief operator, satellite copy center in Business Services.

Barbara A. Wilson, residence hall-utility worker in Housing and Food Services.

LECTURES

Historian/philosopher to present series of lectures in September

Author of a dozen critical studies of modern society, Ivan Illich, historian/philosopher, will be at Penn State during the month of September. While at Penn State, Illich will lecture on the technological assumptions in institutions such as schools, medical care, development and related contemporary phenomena.

Illich is known for his books, including questions which overturn assumptions in a range of areas. His works include: *Deschooling Society*, *Tools for Conviviality*, *Toward a History of Needs, Energy and Equity*, *Medical Nemesis*, *Shadow Work*, *Gender and in the Vineyard of the Text*.

The lectures, which are open to the public, will take place Sept. 2 and the following four Tuesdays at 6:30 p.m. in 112 Walker Building on the University Park campus. Illich will be available to meet with students, faculty and interested people during the month of September in 128 Willard.

For more information on the lectures, please contact Carl Mitcham at (814) 865-3371 or by e-mail at cm15@psu.edu or Hector Flores at (814) 865-3043 or (814) 865-2955 or by e-mail at hctor_flores@psu.edu or fax (814) 865-3047.



IVAN ILLICH

October conference to focus on topics affecting lesbian, gay, bisexual, transgender

Penn State will host the conference "Interventions with Lesbian, Gay, Bisexual and Transgender Youths: From Practice to Policy" on Oct. 3-5 at the Penn State Conference Center Hotel. The keynote speaker will be David Buckel, an attorney who successfully sued three administrators at a Wisconsin high school for failing to protect a gay student from years of abuse. The student won a \$900,000 settlement in a precedent-setting federal case.

The conference focuses on helping counselors, educators and others guide families and youths through complex issues of sexual identity. Nationally renowned researchers, scholars and practitioners will discuss how to work with and support lesbian, gay, bisexual and transgender youths in school, community, family and health-related settings. Some conference highlights include:

- "Protecting Lesbian, Gay and Bisexual Youths in Schools: The Nabozny Case," David Buckel, Lambda Legal Defense Fund;

- "The Politics and the Promise of Helping Lesbian, Gay, Bisexual and Transgender Youths," Teresa DeCrescenzo, Gay and Lesbian Adolescent Social Services Inc., Los Angeles;

- "Grassroots Programs for LGBT Youths," Robin Passariello, Children from the Shadows, Middletown, Conn.;

- "Strategies for Putting Sexual Orientation into the School Agenda," Margaret Schneider, University of Toronto; and

- "HIV Risk and Prevention for Young Men Who Have Sex with Men," Dr. Gary Remafedi, University of Minnesota.

Karen Harbeck, director of the Massachusetts-based National Institute for Gay, Lesbian, Bisexual and Transgender Concerns in Education will address the legislative and policy advances involving educational institutions.

For more information about program content, contact Anthony R. D'Augelli in the College of Health and Human Development at (814) 863-0241. For registration information, contact Chuck Wilson at the Penn State Conference Center Hotel, (814) 863-5110.

Distinguished Speaker Series schedule covers variety of interesting topics

The 1997-98 Distinguished Speaker Series at University Park will include basketball stars, dignitaries, a world-renowned scientist and a Nobel-prize winner, to name a few.

Made possible through the student activity fee, the Distinguished Speaker Series offers free events for students, faculty, staff and community members to attend. The speakers slated for the coming year include:

- Magic Johnson at 8 p.m. Monday, Sept. 22, in Eisenhower Auditorium.

This is a ticketed event.

Having achieved every imaginable goal from a player's perspective, Earvin "Magic" Johnson embarked on another basketball-related ambition in 1994 when he began his first year as the Lakers' vice president. During his 12-year NBA career, he led the Lakers to five NBA championships and nine appearances in the NBA finals. While Johnson, an HIV survivor, may be best known for his prowess on the basketball court, he is also an entrepreneur with multi-faceted business interests. His latest venture, Johnson Development Corp., develops commercial property in long-neglected minority urban and suburban neighborhoods.

- William Shulz at 8 p.m. Tuesday, Oct. 14, in Eisenhower Auditorium.

As the executive director of Amnesty International USA, the 400,000 member U.S. branch of the Nobel-prize winning international human rights organization, Shulz directs daily operations and heads an 80-person staff. A committed social activist and ordained Unitarian Universalist minister, Shulz has most recently been the president of the Unitarian Universalist Association of Congregations (UUAA) where he led his organization's involvement in human rights activism in El Salvador, India, Romania and South Africa.

- Jeane Kirkpatrick at 8 p.m. Wednesday, Nov. 5, in Eisenhower Auditorium.

After more than four years as the U.S. representative to the United Nations and member of the Cabinet, the first woman to serve in that office, Kirkpatrick resumed her position as Leavey professor at Georgetown University and as senior fellow at the American Enterprise Institute (AEI), both positions she held prior to the first Reagan Administration. In addition to her responsibilities at George and AEI, Kirkpatrick is finishing a book on the U.S. role at the United Nations and in the world. She writes a syndicated column and lectures extensively throughout the country as she participates in the ongoing public dialogue on America's role in the world.

- Ian Wilmut at 8 p.m. Thursday Jan. 22, 1998, in Eisenhower Auditorium.

Ian Wilmut introduced the world to the first successful clone of an adult mammal — a seven-month-old Finn-Dorset lamb named Dolly — and a new frontier in science opened wide. As its first pioneer Wilmut, a member of the Roslin Institute of Scotland and a doctoral graduate from Cambridge University, has been thrust into the world spotlight. Wilmut explores in his lectures the future benefits of cloning technology. Employing exclusive video of the Dolly experiment, Wilmut offers his audiences a fascinating peek into a future that only a short time ago was considered science fiction.

- Cornel West at 8 p.m. Thursday, Feb. 19, 1998, in Schwab Auditorium

This is a ticketed event.

As a boy, West was greatly impressed by the Baptist church and was deeply touched by stories of parishioners who, only two generations from slavery, told stories of blacks maintaining their religious faith during the most trying times. West was equally attracted to the commitment of the Black Panthers, whose office was nearby his boyhood church. It was from the Panthers that West began to understand the importance of community-based political action. West graduated from Harvard University magna cum laude (1973) in only three years.

- Elie Wiesel at 8 p.m. Tuesday, March 31, 1998, in Eisenhower Auditorium

Nobel Peace Prize winner and Boston University Professor Elie Wiesel has worked on behalf of oppressed people for much of his adult life. His personal experience of the Holocaust has led him to use his talents as an author, teacher and storyteller to defend human rights and peace throughout the world. Wiesel's efforts have earned him the Presidential Medal of Freedom, the United States Congressional Gold Medal and the Peace Prize. In 1978, President Jimmy Carter appointed him chairman of the President's Commission on the Holocaust. In 1980 he became founding chairman of the United States Holocaust Memorial Council. Wiesel is also the founding president of the Paris-based Universal Academy of Cultures.

- Ross H. Munro at 8 p.m. Thursday, April 2, 1998, in Schwab Auditorium.

This is a ticketed event.

Munro is co-author of *The Coming Conflict with China*, published in 1997 by Alfred A. Knopf. This book shows how China is emerging as the chief global rival of the United States, and it is widely expected to be the year's most controversial book on America's relations with the rest of the world. Since 1990, Munro has conducted research and written on U.S./Asia policy with particular emphasis on China.

- John Singleton, Thursday, April 30, 1998, in Schwab Auditorium

This is a ticketed event.

Director John Singleton's searing debut film "Boyz n the Hood" earned the writer-director the distinction of being the youngest individual and the first African American ever nominated for an Academy Award as best director, as well as earning him a separate nomination for best screenplay. "Boyz n the Hood" went on to become one of the highest-grossing African American films in history. In 1992, Singleton wrote and directed Michael Jackson's "Remembering the Time," and has since produced soundtracks for "Poetic Justice" and "Higher Learning." His next project as a director will be the motion picture "Shaft Returns."

The Distinguished Speaker Series is sponsored by the University Park Allocation Committee in conjunction with the Programming Coordination Board and the Office of Student Activities. For more information, call the Office of Student Activities at (814) 863-3786 or stop by 225A HUB.

More Lectures

Research workshops offer procedure specifics

The following Research Administration Workshop Series will be offered during the 1997-98 academic year. The purpose of the workshop series is to disseminate information for research administrators at Penn State. The workshops are offered to administrative assistants, staff assistants and all research personnel.

The basic workshops are an introduction to processes and procedures and are recommended for personnel with less than three years of University experience. Specialized workshops provide detailed information on specific procedures in research administration and are designed for personnel actively involved in the topical area. Advanced workshops provide discussion for problems and unusual situations which may arise in research projects and are recommended for research administrators with three or more years of experience.

These workshops are a service of the ACOR-II Education Subcommittee and the Office of Sponsored Programs. Please call Vicki Spadaccio at (814) 865-0453 for content information or Linda Cartwright at (814) 863-4019 for registration information.

There is a \$75 fee for each workshop and all workshops take place from 8:30 a.m. to noon on the University Park campus.

■ **An Introduction: The Basics of Research Administration (basic)** — Wednesday, Sept. 3, Venus Room, Johnston Commons.

Introduction to funding opportunities, proposal preparation, internal forms, sponsor awards, pre-award negotiations, award implementations and reporting requirements.

■ **IBIS Financial: Accounting Database and Standard Reports (specialized)** — Wednesday, Sept. 24, 256 Hammond Building.

Provides an overview of the University's accounting systems. A discussion of the new IBIS financial system will provide participants with a basic understanding of the content of this accounting database and the standard reports available. Special emphasis will be placed on Financial Information Tool reports and the "hand" calculations necessary to have a complete financial picture.

■ **Proposals: Putting the Pieces of the Puzzle Together (basic)** — Wednesday, Oct. 22, Venus Room, Johnston Commons.

Topics to be covered include searching for funding opportunities; brief budget preparation information; university, college and unit policies and procedures; and sponsor policies and procedures.

■ **Human Resources (specialized)** — Tuesday, Oct. 28, Venus Room, Johnston Commons.

Issues relating to research personnel including types of appointments, classifications, hiring, renewal, termination, foreign national information, leaves of absence and professional ethics.

■ **Budget Building I (basic/specialized)** — Wednesday, Nov. 5, Venus Room, Johnston Commons.

This workshop will provide an interpretation of terms, budget categories and cost estimating. Participants will complete basic budget exercises and learn the process for calculating salary categories; graduate assistant stipends and tuition; fringe benefits; and indirect costs. A calculator is required.

■ **Budget Building II (advanced/specialized)** — Wednesday, Nov. 19, Venus Room, Johnston Commons.

This is an interactive workshop on complex budgets and spreadsheets. Cost sharing, sponsor match requirements, indirect cost issues and multi-year/multi-task budgets will be examined and discussed. A calculator is required.

■ **Contract and Legal Issues: The Wheres and Whys of Awards (basic)** — Wednesday, Jan. 14, 1998, Venus Room, Johnston Commons.

This workshop will discuss the types of agreements, contracts, grants and revisions; pre-award audits; negotiations; terms and conditions; and subcontracting plans.

■ **Subcontracts, Consultants and Purchased Services (basic/specialized)** — Wednesday, Feb. 11, 1998, Venus Room, Johnston Commons.

This workshop will provide an overview of the University's policies and procedures for subcontracts, consultants and purchased services.

■ **Electronic Research Administration (advanced/specialized)** — Wednesday, March 4, Venus Room, Johnston Commons.

This workshop will provide a cradle-to-grave overview of Electronic Research Administration. Topics will include funding opportunities, information dissemination, NSF Fastlane and NIH Commons.

■ **Awards: The Where's and How's of Project Administration (basic)** — Wednesday, March 25, 1998, Venus Room, Johnston Commons.

This awards workshop will instruct participants on establishing new awards, accounting systems, award administration, subcontracts, expenditure controls, fund close-outs and other issues related to project administration.

■ **Compliance and Accountability (advanced/specialized)** — Wednesday, April 29, 1998, Venus Room, Johnston Commons.

This workshop will provide a review of OMB Circulars A-21, A-110 and A-133; cost accounting standards; animal,



Proud moment

Deldre Patterson, daughter of Jamaican Prime Minister Rt. Hon. P.J. Patterson, accepted her Ph.D. in school psychology at the Graduate School commencement ceremony on Aug. 9. Patterson's doctorate is her second advanced degree from the College of Education. The Graduate School conferred roughly 670 master's degrees and 233 doctorates at the ceremony. Close to 1,500 students graduated at undergraduate commencement ceremonies on the same day.

Photo: Greg Grieco

News in Brief

Looking for paid volunteers

Families play a critical role in children's adjustment and development. The Conflict Resolution in Families with Four Year Olds project examines how families with young children solve problems, and aims to better understand what children learn from watching and interacting with their parents.

Families with 4-year-old children are needed to participate in two research sessions (one including dad, mom and child, and one with just child). In the first session, families will be asked to provide information about how family members get along, solve problems and feel about themselves. Families also will be asked to work on several different problem-solving activities.

In a second session, children will be asked to play and work together with other 4-year-old children on several games and activities. Families are paid \$40 for participating in this project. This study focuses on how families interact — counseling is not provided. For more information about participating in this study, please contact the Conflict Resolution in Families Project office at 863-5674. Mari L. Clements, assistant professor of psychology, is the principal investigator.

Carpoolers

Vanpoolers wanted from Philipsburg area to University Park. Work hours are Monday through Friday 7:30 a.m. to 4 p.m. Please call Bill at (814) 345-6670 or Larry at (814) 342-1238.

Carpoolers sought from the Pleasant Gap area to University Park. Work hours are Monday through Friday 8 a.m. to 5 p.m. Contact Chuck at (814) 865-5453 or ctb2@psu.edu.

Carpooler wanted from Philipsburg to University Park. Work hours are Monday through Friday 7 a.m. to 3:30 p.m. Please call Jolene at (814) 865-4318.

ARTS & ENTERTAINMENT

AT PENN STATE



Back to nature

Jessi Lehman of Centre Hall shows an American Kestrel to friends and family members at a raptor camp at Shaver's Creek Environmental Center. For a listing of the center's many activities, check their Web site at <http://www.cde.psu.edu/ShaversCreek/>

McKeesport announces entertainment series

Penn State McKeesport announced its 1997-98 Entertainment Series of eight performances by professional musicians, comedians, actors and novelty acts. All performances are held in the Buck Union Building and are free to the public. Fall

- Geoffrey Brown, comedy: 1:30 p.m. Tuesday, Aug. 26.
- Dixie Power Trio, Rockin' jazz: 1:30 p.m. Thursday, Sept. 18.
- Jim Wand hypnotist: 1:30 p.m. Thursday, Sept. 25.
- Robert Post, comedy/creative movement: 1:30 p.m. Thursday, Oct. 9.

Spring '98

- Masque, A theatrical performance of many faces: 8 p.m. Tuesday, Feb. 24.
- Leighann Lord, comedy: 8 p.m. Wednesday, March 4.
- Lynn Trefzger, ventriloquist: 1:30 p.m. Thursday, March 19.
- Jaffna, World Beat music: 1:30 p.m. Friday, April 17.

For more information, Call Kevin Clark, student activities director, at (412) 675-9160.

UNIVERSITY PARK CALENDAR

AUGUST 22 - AUGUST 31

CONFERENCES

Friday, August 29

"Dogpatch: Rubes, Hicks & Hillbillies in the Ancient Near East," The Nittany Lion Inn, through Aug. 30.
State 4-H Days, Findlay Commons, through Aug. 31.

EXHIBITS

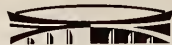
Palmer Museum of Art

"Making History: Historical Narratives in Pennsylvania Prints," through Aug. 31.

School of Visual Arts Faculty Exhibition, through Sept. 14.

"Our Town: A Selection of Town Views from the Pennsylvania Prints," through Sept. 28.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>



BRYCE JORDAN CENTER

Pugilists to perform

The excitement of professional boxing will hit the ring at 7:30 p.m. Friday, Sept. 5, at The Bryce Jordan Center. Tickets are \$22.50 and \$15 for reserved seating, with a half-price discount for Penn State students (limit two tickets per student ID on \$15 tickets only). Ring-side seating and group rates also are available.

The event will be nationally televised on ESPN 2. The main event is a scheduled 10-round heavyweight fight featuring the No. 1 rated heavyweight in Pennsylvania, Terrance Lewis (21-2-0, 16 knockouts) against the 1993 Olympic Gold Medal Champion, Jeff Wooden (17-4-0, 11 knockouts). In addition to the main event, six other bouts are scheduled.

A VIP reception to benefit the "Beating The Odds" youth program will be held before the event. The program teaches youth that they become winners by tapping into their own natural resources. The reception will feature current and former world champions of boxing including Larry Holmes, Gerry Cooney and Iran Barkley, as well as other celebrities. For more information on the VIP reception call (814) 944-6690.

Upcoming

■ March 26-29, 1998: Annual Pennsylvania Sportsman's Hunting, Fishing and Outdoor Show

Vendors interested in exhibiting may call (814) 863-1570 or (814) 863-5503.

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, or by calling (814) 865-5555 locally, or toll-free at (800) 863-3336.

For more information on Bryce Jordan Center events, visit the Web at <http://www.bjc.psu.edu/>

Private Giving

Business leader to lead college's fund-raising effort

A prominent State College business leader and entrepreneur will steer the College of Agricultural Sciences' fund-raising efforts during Penn State's upcoming Capital Campaign.

M. Michael Arjmand of State College will chair the college's campaign committee — a role that gives him a key volunteer leadership position in the University's overall campaign.

Arjmand will help lead the college's private fund-raising activities by working with other volunteers, as well as with the college's administration, faculty and professional staff. He also will serve as the chief volunteer spokesperson for the goals, theme and objectives of the College of Agricultural Sciences' campaign.

Arjmand is president of Centre Analytical Laboratories, a State College firm that performs chemical analyses for a number of environmental concerns. The company was established by Arjmand in 1986 as a one-man operation and today employs nearly 60 people whose work includes testing residential drinking and waste water, and developing environmentally friendly pesticides. In June, Centre Analytical Laboratories received the Employer of the Year award from the Federation of Business and Professional Women's Clubs of Pennsylvania.

In 1993, Arjmand was selected as a finalist for the Central and Eastern Pennsylvania Entrepreneur of the Year in the high technology area. Arjmand earned his master's and doctoral degrees in entomology from Penn State in 1975 and 1978, respectively. During this time, he began a close personal friendship with Ralph Mumma, his faculty adviser and mentor. In 1996, Arjmand and his wife, Mitra, established the Ralph O. Mumma Professorship in Entomology as a tribute to him. The Arjmands are members of the Mount Nittany Society, which recognizes the highest level of individual philanthropy to the University.

New at Penn State

This fall, Penn State Berks, Berks-Lehigh Valley College, will offer the Agricultural Business Associate Degree program with two options: food and horticulture.

Janelle Larson, assistant professor of agricultural sciences at Berks, will be the program group leader. The program falls under the college's new science division, headed by David Sanford, associate professor of horticulture at Berks. Hassan Gourama, associate professor of food science at Berks, is the third faculty member involved in the Agriculture Business Associate Degree program.

Every course in the program is applicable toward a four-year degree in agriculture.

Newspaper program to have impact in classroom

Some faculty plan to make regular readership a requirement in their courses

By KAREN L. WAGNER
Public Information

Let's see, 12 to the right, five to the left, six to the right. Or was that six to the left and five to the right?

Starting Aug. 27, Penn State students living on campus will no longer have to memorize a lock box combination in order to retrieve the morning paper. An innovative new program will bring top-read newspapers to the students, encouraging lifelong reading habits and informed citizenship.

That's the goal behind a new plan that will make copies of *The New York Times*, *USA Today* and the *Centre Daily Times*, a local paper, available to 17,000 students in their residence halls. The papers will be placed in residence hall lobbies — 44 locations at University Park alone — in addition to the residence halls at eight other Penn State locations.

Up until now, students who wanted to read the newspaper every day had to pay for each subscription individually, memorize a lock box combination and get it themselves from one of 18 boxes on campus. Under the new plan, officially dubbed the Residence Hall Newspaper Readership Program, students will have access to more papers at more locations. The program will be funded by adding only \$5 a semester to student room and board rates, due to the low rates offered by cooperating newspapers.

"We will closely monitor which newspapers are most popular and change the mix of available newspapers accordingly," President Graham B. Spanier said. "We are prepared to make as many copies of the newspapers available as students want, as reading habits and newspaper preferences become more predictable."

The residence hall readership program doesn't necessarily mean the end of newspaper lock boxes, however. The vendor at University Park, Jordan Associates, will continue to offer *The New York Times*, *USA Today* and the *Philadelphia Inquirer* at educational discounts. In fact, they expect volumes to increase. Jordan Associates' theory: readership on campus and in the classroom will encourage more off-campus students to stay current.



Daily routine

Tim Broughton loads newspaper boxes at the Heitzel Union Building on the University Park campus. Newspaper vendor Jordan Associates, which distributes newspapers at educational rates in several such boxes at University Park, expects subscriptions by off-campus students to increase as an indirect result of the Residence Hall Newspaper Readership Program.

Photo: Greg Grieco

"Penn State is putting a lot into this program," Nancy Jordan said. "President Spanier is sending a letter to all on-campus students, telling them

about the program and encouraging them to read."

How will this readership activity spill over into the classroom? Marie

Secor, director of composition, and Don Bialostosky, head of the English department, plan to build newspaper readership into their weekly class assignments for English 30. Students will be required to read *The New York Times* every day and bring it to class.

Based on their reading, students will learn what makes news, how to make an argument and how to write for a particular audience. The newspaper is the textbook.

"My prediction is that students will really appreciate being well-informed and they'll like the immediacy of it. But I want them to be critical readers as well," Secor said.

One assignment will require students to study the editorial section, then write their own opinion-editorial columns. Another will require them to attend a musical or theatrical performance and write a review.

Students will reflect on their own lives as Secor challenges them to think about what they are reading and writing — the culture that is reflected in the news story.

Jean Landa Pytel, assistant dean for student services in the College of Engineering, said newspaper readership will make students aware of new applications and advances in engineering technology.

"The tie-in for engineering students is their ability to follow particular industries and know which sectors are in a growth mode," she said.

According to faculty in the College of Agricultural Sciences, access to daily newspapers will give students access to issues in contemporary life sciences including the environment, rural development and urban sprawl.

"Newspapers are a wonderful source of information for class discussions and projects. They make great case studies," said Jim Mortensen, associate dean and professor of agriculture education.

Secor looks forward to a classroom of open newspapers. In the old days, she'd have to tell the few students reading them to put them away and get out their textbooks.

"Newspapers are a way of giving students more to know about," Secor said. "I think it's going to be fun."

Visiting research assistant sought in College of Medicine

A search is being conducted for a visiting research assistant in the Biostatistics Section of the Department of Health Evaluation Sciences within the College of Medicine at Hershey. This faculty position is available from Sept. 1 to Aug. 31, 1999.

The visiting research assistant reports to the Biostatistics Section chief and is expected to collaborate with biomedical investigators. The Department of

Health Evaluation Sciences has an excellent computing environment, with Sun Workstations, for biostatistical research.

Nominations and applications for this position are invited from interested people. The candidate should have a master's-level degree in statistics/biostatistics with some experience in collaborating with biomedical investigators. Members of underrepresented groups, includ-

ing minorities and women, are encouraged to apply.

Applications and nominations will be accepted and reviewed until the position is filled. Applications should be sent, along with a curriculum vitae and three reference letters, to Vernon M. Chinchilli, Department of Health Evaluation Sciences, College of Medicine, Mail Services H173, The Pennsylvania State University, Hershey, Pa. 17033.

Faculty/Staff Alerts

Preparing graduates

Higher education's efforts to prepare graduates for the global economy and community of the 21st century are the subject of the next edition of "To the Best of My Knowledge," Penn State President Graham B. Spanier's monthly call-in program on public radio station WFU-FM (90.1, 91.5 & 106.7), airing tonight at 7 p.m.

Joining President Spanier for a discussion of how best to infuse an international perspective into the academic programs of the nation's colleges and universities will be Beverly Lindsay, dean of the University Office of International Programs.

Listeners with opinions or questions about the internationalization of higher education are invited to call (800) 543-8242 during the one-hour program. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/hr/tech/tech.html>; and they will be able to submit questions and comments via e-mail to response@psu.edu.

Dollars for Scholars

The fourth annual Dollars for Scholars golf classic, sponsored by the College of Communications Alumni Society, will be held on Friday, Sept. 5, at Toffrees Resort. Net proceeds from the tournament will be contributed to the College of Communications Alumni Society Internship Fund. Awards from this fund provide financial aid to students in approved internships for academic credit. Whether participants choose to sponsor golfers or play in the classic, they will help build the student internship endowment. Proceeds from the last three annual events added more than \$40,000 to scholarship and internship funds.

For more information on registration or sponsorship contact Kristen Kaminski, alumni relations and special events, College of Communications, at (814) 865-8801; e-mail kk104@psu.edu.

Scholarship applications accepted

Applications for the Edward L. and Dessa B. Keller Memorial Scholarship are being accepted until Oct. 17. Established by Edward W. Keller to honor his father and mother, the scholarship is open to Penn State graduate and undergraduate students enrolled full time or part time in either regular or extended degree courses. Additional consideration will be given to Continuing and Distance Education staff members enrolled in adult education doctoral programs or those participating in an internship at the Washington, D.C., office of the University Continuing Education Association. One or more scholarships of at least \$400 may be awarded each year.

Scholarship selection criteria include the applicant's academic record, letter of reference, written statement, contributions to Continuing and Distance Education, relevance of the applicant's educational program to his/her work and financial need.

Application forms are available from Sandra Rothrock, 507 Keller Building, University Park, Pa. 16802; phone (814) 865-7752.

Library hours

University Libraries on the University Park campus will maintain the following schedules during fall semester, Aug. 27-Dec. 12:

■ All areas of Pattee Library will be open Monday through Thursday from 7:45 a.m. to midnight; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m. and Sunday, noon to midnight with the following exceptions:

— Historical Collections and Labor Archives, Interlibrary Loan, Pattee Copy Center and the Rare Books Room will be open Monday through Friday, 8 a.m. to 5 p.m.

— University Archives/Penn State Room will be open Monday, Tuesday, Thursday and Friday from 9:30 a.m. to 5 p.m.; Wednesday from 9:30 a.m. to 9 p.m.; and closed Saturday and Sunday.

— The Music Listening Room will be open Monday through Thursday from 9 a.m. to 11 p.m.; Friday, 9 a.m. to 6 p.m.; Saturday, noon to 6 p.m.; and Sunday, noon to 11 p.m. — The Architecture Library, Earth and Mineral Sciences Library, Education Library, Engineering Library, Mathematics Library and Physical Sciences Library will be open Monday through Thursday 7:45 a.m. to 11 p.m.; Friday, 7:45 a.m. to 9 p.m.; Saturday, 8 a.m. to 9 p.m.; and Sunday, noon to 11 p.m.

■ Pollock Library will be open 24 hours a day, seven days a week.

On Labor Day, Sept. 1, Pattee Library will be open from noon to midnight, and branch libraries will be open from noon to 11 p.m.; Pollock Library will remain open 24 hours.

Extended hours

Three floors in West Pattee Library will remain open an additional two hours for the fall semester, beginning Wednesday, Aug. 27. Students can continue studying from midnight to 2 a.m., Sunday through Thursday evenings, on the ground, first and second floors of West Pattee. Included in this section of the building are the Periodicals Room, the Reserve Reading Room and a computer lab.

For more information on all hours of library service, call (814) 865-3063, type HELP HOURS when using the Library Information Access System (LIAS), or visit the Libraries' home page at <http://www.libraries.psu.edu/>

Standard 'A' (third-class) Bulk Mail

The U.S. Postal Service has increased its investigation of all Standard 'A' Bulk Mail they receive from non-profit organizations across the country. Penn State's bulk mail also is being closely monitored for "content based restriction" violations. Six months ago, the State College post office had only one bulk mail technician verifying Penn State's mail. They now have three. If you have any questions about the validity of the contents of your mail piece, please call Beth Catherman or Gregg Ascuitto at (814) 865-7544.

First-Class Endorsement Survey

Recently, Addressing and Mailing Services sent out a survey to the campus asking which first-class endorsement it should use on all outgoing one-ounce to two-ounce first class letters. New U.S. Postal Service regulations force us to choose one and only one endorsement. We received an excellent response to that survey. Overwhelmingly the campus chose to use "Return Service Requested" instead of "Address Service Requested." We will begin using this endorsement effective Sept. 1. Addressing and Mailing Services would like to thank all who participated in this survey.

Tax exemptions

The Pennsylvania State Legislature recently enacted a tax exemption for employee contributions for certain types of flexible benefits plans. This state tax exemption applies now to Contribution Conversion Accounts (which pay group premiums for medical, dental, vision coverage and the first \$50,000 of life insurance with pre-tax dollars) and Health Care Reimbursement Accounts. It does not apply, however, to Dependent Care Reimbursement Accounts, which receive only a federal tax exemption. Federal tax exemptions continue to apply to all three types of accounts.

This state law makes the exemption for the two accounts retroactive to Jan. 1, 1997. Steps are being taken to make the necessary adjustments in the University payroll system. Until these adjustments are complete, the state tax deductions will continue as in the past. These amounts will be adjusted before the end of 1997, and W-2 forms for 1997 will reflect the accurate tax amounts so that employees can recover the excess tax amounts when tax forms are filed.

Statistical consulting

The Statistical Consulting Center is a team of faculty, staff and graduate students in the Department of Statistics that can provide a limited amount of short-term consulting advice to Penn State faculty and graduate students. You will meet with a statistics graduate student who is taking a practicum in statistical consulting. There is no charge for this assistance and the sessions are supervised. However, participants are asked to fill out a "Request for Statistical Consulting" form and to schedule an appointment for assistance.

To obtain a "Request for Statistical Consulting" form, do any of the following:

- Telephone the center at (814) 863-0281 and a form will be mailed or faxed to you;
- Come to 323 Thomas Building anytime Monday through Friday, 9 a.m. - 4 p.m. and pick up a form;
- Visit the Web at <http://www.stat.psu.edu/~scc> and download a form; or
- Contact the center by e-mail at scc@stat.psu.edu.

If the statistical needs of your research project are more extensive, please contact the center to discuss available options.

New member appointed to serve on Staff Focus Committee

The Staff Focus Committee, an advisory group which meets quarterly to discuss staff issues and concerns, has appointed a new member. Robin Anderson, senior information systems consultant in the Office of Administrative Systems, has been named a member of the 18-member committee. More appointments are expected in the near future.

Anderson, who served as an Administrative Fel-

low during the 1995-96 academic year, also is a member of the Commission for Women and will serve as the commission's liaison to the Staff Focus Committee.

"This appointment establishes an ongoing, much-needed link to the Staff Focus Committee from the Commission for Women," said Nancy L. Herron, chair, Commission for Women.

In her role as senior information systems consul-

tant, Anderson provides technical direction, guidance and training for using information technology to improve productivity in administrative units. She also manages the Administrative Training and Support Center staff. She holds an M.A. in education from Michigan State University and a B.S. in education from Eastern Michigan University.

The next meeting will be Wednesday, Sept. 10.

■ Administrative Fellows

Appointees come from varied backgrounds

By MEREDITH MCKEON
Public Information

Three Administrative Fellows have been appointed for the 1997-1998 academic year.

■ **Terri L. Dowdy**, financial officer for Computer and Information Systems, Development and Alumni Relations and Student Affairs, will serve under the mentorship of Gary C. Shultz, senior vice president for finance/treasurer.



TERRI L. DOWDY

■ **Susan Shuman**, senior research project manager in the Office of Marketing and Research in Continuing and Distance Education, will serve under the mentorship of John A. Brighton, executive vice president and provost.



SUSAN SHUMAN

■ **Gail Gilchrist**, admissions officer at Penn State Shenango, will serve under the mentorship of Robert E. Dunham, senior vice president, dean, Commonwealth College.



GAIL GILCHRIST

The Administrative Fellows Program provides women and minorities with an opportunity to enhance their administrative talents and qualifications by involving them in mentorship experiences with top-level administrators at the University.

Dowdy achieved a B.S. in accounting and currently has six credits toward her M.B.A. at Penn State.

After pursuing an undergraduate education at Penn State, Dowdy started her career here as an auditing assistant in the auditing department and in 1988 became assistant accountant in the Corporate Controller's Office. In 1988, she also worked as an accounting consultant at Gregory Hill Custom Tailoring, and served as assistant accountant and acting financial officer for the College of Communications, and later as financial officer I. In 1992, she was promoted to financial officer III in the University Libraries and currently holds the position of financial officer IV, responsible for multiple administrative areas and fund types, as well as providing complex financial analysis, coordinating audits, managing contracts and a host of other duties. Dowdy chairs the University Libraries Task Force for Innovation and its Task Force for Publications. She is a member of the Financial Officer Development Team and a mentor for the Multicultural Business Society of The Smear College of Business Administration. Dowdy is also a member of the supervisory committee of the Penn State Federal Credit Union and the 1995-96 Class of Leadership Centre County.

Shuman first came to Penn State in the mid-1980s in pursuit of her Ph.D. in sociology. She already held an M.A. (1978) and a B.A. (1977) in sociology from Case Western Reserve University in Ohio.

Shuman began her career as a research analyst at the Applied Gerontology Research Center of The Benjamin Rose Institute. While pursuing her Ph.D., which she earned in 1988, Shuman worked as a research and planning analyst in planning studies (now part of Continuing and Distance Education) for the Commonwealth Educational System and currently holds the position of senior research project manager in the Office of Marketing and Research, C&DE. She is responsible for the design, implementation and management of market analysis plans.

Schuman has written numerous reports, several book chapters, a planning abstract series, and co-edited the third edition of Professional and Occupational Practice Requirements. She has made more than 15 presentations across the country and abroad and is a member of the Commission for Women and various Continuing and Distance Education committees. She is the sexual harassment resource person for Continuing and Distance Education and was awarded the Staff Support Award for the department. She is a volunteer for Keystone Legal Services

and is involved in Leadership Centre County.

After earning an M.S. in education from Youngstown State University, Gail Gilchrist came to Penn State in pursuit of her D.Ed. in counselor education, which she was awarded in 1993.

Gilchrist began her career at Penn State as an adviser/counselor in the Division of Undergraduate Studies at Shenango, then advanced to career development and placement counselor where she initiated the first Penn State regionalized placement service with four western Penn State campuses. Currently, Gilchrist is the admissions officer at Shenango and is responsible for all admissions, recruitment and marketing initiatives for the campus.

Gilchrist has given numerous professional and community presentations to audiences including the National Adult Learner's Conference, the New England Conference of the College Board and the Penn State National Space Grant College and Fellowship Program. She serves on the campus marketing team and the Commonwealth College Strategic Planning Committee. She is the liaison to the Commission for Women and is the campus contact person for sexual harassment and child care issues. Gilchrist is also the founder and adviser to the campus Adult Student Support Group and is the chair of the Integrating Marketing Team for Shenango.

She serves on the board of directors for the local Chamber of Commerce and is a member of the Mercer County Commission for Women and a board member of the Kiwanis Club of Sharon.

The Fellows will participate in a wide-range of decision-making processes, learning activities and program management to better equip them for the challenges which accompany higher education administration. The Fellows program also will help create a pool of qualified women and minorities for potential administrative vacancies, both inside and outside the Penn State community.

Olympic medal-winning diver honored as an Alumni Fellow

Mary Ellen Clark, who won Bronze Medals for 10-meter platform diving in the 1992 and 1996 Olympic Games, has been named a Penn State Alumni Fellow. She will receive the award at a ceremony to be held on the University Park campus on Sept. 4.

Clark received her bachelor of science degree in health and physical education from the College of Health and Human Development in 1985. Recruited as the first "full scholarship" diver to attend Penn State, she led the swimming and diving team to unprecedented regional and national honors. She was seven-time Eastern champion and six-time All-American while at Penn State and represented the University throughout the country. She served as captain of the diving team in 1985.

Already an accomplished springboard diver when she came to the University, Clark tried "the tower" for the first time at the encouragement of her Penn State coaches and teammates. She later described that first 10-meter dive (from the height of a three-story building) this way: "My first time

on the platform, it took me a half-hour standing at the edge before I got up the nerve to dive. I've never looked back."

Clark's success has required her to overcome bouts of vertigo which first plagued her in Australia in 1988, briefly again in 1990, and then more severely a year before the 1996 games when she took time off from training to find some relief. Her break in training, coupled with her age, cast her in the role of underdog in Atlanta, where, at 33, she became the oldest diver to win a medal in the 10-meter event.



MARY ELLEN CLARK

A native of Newtown Square, Pa., Clark was first encouraged to dive by her father, who had been captain of the diving team at the University of Pennsylvania. She dedicated her Barcelona medal to her father, who suffered from ill health during her Olympic career.

Now retired from diving and living in Fort Lauderdale, Fla., Clark is a corporate spokesperson for Speedo and other companies and tours the country as a motivational speaker at colleges and corporations. Among other honors, she is a member and athletic representative for the U.S. Diving Board of Directors and a member of the Pennsylvania Hall of Fame. She was named Woman Athlete of the Year in Diving in 1992, 1993 and 1994.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Partings

Statistics professor taught for 30 years

Robert A. Hultquist, professor of statistics, has retired from the Eberly College of Science after 30 years of service.

After receiving degrees from Alfred University, Purdue University and Oklahoma State University, he joined the faculty of Penn State in 1966 as an associate professor of mathematics and statistics. He became full professor in 1971.

Hultquist concentrated on being a good teacher and adviser to his students during his career. "I was blessed in that I had wonderful teachers myself," Hultquist says, recalling, in particular, the basketball and football coach who sparked his interest in experimental design and started him on his career in statistics by asking him to design the sequence of rotation and order of events of a large sports tournament.

"I developed good study habits myself because I didn't ever want to get embarrassed during class, and this experience carried over to my



ROBERT A. HULTQUIST

Hampshire, and a visiting professor for the National Science Institutes at New Hampshire University, Southeastern Oklahoma University and Oklahoma State University.

He has coauthored several articles and reviews, authored several book chapters, and is the author of the instructional book, *The Introduction to Statistics* (Holt, Rhinehart, and Winston).

teaching methods because I made sure the students were there and turned in their assignments," Hultquist says. "I just wanted to continue going to school and that's what I did for my entire life."

During his career at Penn State, Hultquist consulted with Kodak; Westinghouse; IBM; Eagle Picher; the U.S. Department of Health, Education and Welfare; and the U.S. Army. He was a visiting professor at Cornell University, a statistical consultant at the University of New

Staff assistant plans to have active retirement

Edie Johnson, staff assistant in the Workforce Education and Development Program in the College of Education and the Center for Professional Personnel Development in Vocational Education, has retired after 30 years of service at the University.

She began her career at Penn State in 1967, working as a clerk/typist in the Air Environment Center in the College of Engineering. A year later she moved to the College of Education and worked in the School of Psychology Program in the Department of Special Education as a staff assistant. She joined the staff of the Workforce Education and Development Program (formerly vocational education) in 1975.

A graduate of State College High School, Johnson was born and reared in Centre County. She and her husband, Gig, live in Port Matilda. They have two children, a daughter, Melanie Warrender, who lives in Tyrone, and a son, Brian Johnson, a junior at Penn State majoring in kinesiology.

In her retirement, Johnson plans to drive a school bus, volunteer for the American Red Cross, and work as an emergency medical technician with her local ambulance service. She also will continue as a part-time student to complete an associate degree in letters, arts and sciences from Penn State.

Several retire from University after earning emeritus rank

Parris H. Chang, professor of political science in College of the Liberal Arts, retired July 1, after 26 years of service.

Sidney Cohn, professor of urban design in College of Arts and Architecture, from Sept. 1, 1975, to June 30.

Samuel M. Curtis, professor of agricultural education in College of Agricultural Sciences, from July 1, 1965, to June 30.

Juris G. Draguns, professor of psychology in College of the Liberal Arts, retired June 30, after 29 years of service.

William J. Duiker, professor of East Asian studies in College of the Liberal Arts, retired June 30, after 29 years of service.

Patricia A. Farrell, associate professor of leisure studies in College of Health and Human Development, retired July 1, after 29 years of service.

David H. Fowler, senior extension agent in College of Agricultural Sciences, from Nov. 15, 1971, to July 1.

Glenn F. Gerhard, associate professor of engineering at Penn State Schuylkill, from Sept. 1, 1968, to June 30.

Albert L. Guber, professor of geology in College of Earth and Mineral Sciences, retired June 30, after 33 years of service.

Wendell V. Harris, professor of English and Fellow of the Institute for the Arts and Humanistic Studies in College of the Liberal Arts, from July 1, 1979, to July 1.

Donald W. Johnson, associate professor of education in College of Education, retired Aug. 1, after 33 years of service.

Melvyn S. Klein, senior director of Student Affairs, retired June 28, after 29 years of service.

George B. Kleindorfer, professor of quantitative business analysis in The Smeal College of Business Administration, from Dec. 17, 1973, to June 30.

Audrey K. Korman, administrative assistant IV in Research and Graduate Education, from Aug. 13, 1979, to June 28.

Kenneth E. Landis, food preparer A in Housing and Food Services, from Sept. 16, 1962, to June 28.

Joseph H. MacNeil, professor of food science in College of Agricultural Sciences, retired June 30, after 33 years of service.

Peter D. Morris, associate professor of mathematics in Eberly College of Science, retired July 1, after 30 years of service.

Charles T. Morrow, professor of agricultural engineering in College of Agricultural Sciences, retired June 30, after 30 years of service.

Ralph O. Mumma, distinguished professor of environmental quality in College of Agricultural Sciences, retired June 30, after 36 years of service.

Dr. Nicholas M. Nelson, professor of pediatrics in College of Medicine at The Hershey Medical Center, retired July 1, after 26 years of service.

Stanley J. Nowak Jr., associate professor of Spanish, Italian and Portuguese in College of the Liberal Arts at Penn State Allentown, retired June 30, after 29 years of service.

Robert W. Ott, professor of art education in College of Arts and Architecture, retired July 1, after 28 years of service.

Patricia C. Peterson, assistant vice president for Student Affairs, retired June 30, after 29 years of service.

Dr. Arthur J. Schneider, professor of anesthesia in College of Medicine at The Hershey Medical Center, retired July 1, after 16 years of service.

Herbert S. Siegel, professor of poultry science in College of Agricultural Sciences, retired June 30, after 13 years of service.

Jack J. Stein, associate professor of electrical engineering in College of Engineering at Penn State Great Valley, retired July 1, after 29 years of service.

Theresa T. Strauss-Noll, associate professor of English in College of the Liberal Arts at Penn State New Kensington, retired July 1, after 22 years of service.

Alfred D. Talvola, associate professor of engineering in College of Engineering at Penn State Beaver, retired July 1, after 29 years of service.

Robert T. Tauber, professor of education in College of Education at Penn State Erie, Behrend College, retired July 1, after 25 years of service.

Donald E. Thompson, senior research associate/head in the Applied Research Laboratory, retired July 1, after 30 years of service.

Jin Tichy, professor of architectural engineering in College of Engineering, retired July 1, after 28 years of service.

Nancy Tischler, professor of English and humanities in College of the Liberal Arts, retired May 1, after 30 years of service.

Edward V. Trunk, associate professor of engineering in College of Engineering at Penn State Harrisburg, retired July 1, after 27 years of service.

Arthur L. Welsh, professor of economics in College of the Liberal Arts, retired July 1, after 10 years of service.

Harry H. West, professor of civil engineering in College of Engineering, retired June 30, after 36 years of service.

Research

Gene finding may aid cancer research

By BARBARA K. KENNEDY
Eberly College of Science

Scientists, some from Penn State, have discovered how three genes work together to regulate the development of nerve cells — fundamental new knowledge that could boost efforts in other areas, including cancer research.

In the Aug. 8 issue of *Cell*, two teams of researchers report that they made the same discovery independently. One team was led by Zhi-Chun Lai, assistant professor of biology, biochemistry and molecular biology at Penn State, and Richard W. Carthew, assistant professor of biology at the University of Pittsburgh. Gerald M. Rubin of the University of California at Berkeley led the other team. The research is expected to contribute to the understanding of the nervous system and brain.

Lai and Carthew's team studied fruit fly eyes to determine which genes regulate the development of photoreceptor neurons — cells that convert light signals into chemical signals the brain can understand.

"The fly genes we are studying are amazingly similar to their corresponding human genes. At the very fundamental cellular level, there is no difference between the human cell and the fly cell," Lai said. "Plus, flies are a very good organism for genetic engineering." On about the fourth day of a fly's life, certain proto-eye cells receive instructions from the fly's genes to become either light-filtering cone cells or photoreceptor neurons. "That's when we dissect the eyes to look at them under the microscope," Lai said.

External signals tell the developing cells what kind of cell to become by initiating a cascade of internal molecular reactions called the "signal transduction pathway."

"Cancer can result if errors occur in the signal-transduction pathway, giving a cell the signal to divide instead of becoming a neuron," Carthew explained.

These signal-transduction pathways are indispensable for life because they are critical for neural development. They also can be a threat to



This is a scanning electron microscope image of a fruit fly's eye. Research using these eyes done by Zhi-Chun Lai, assistant professor of biology, biochemistry and molecular biology, and others has increased understanding of the nervous system and brain.

life if a harmful error occurs somewhere along the pathway, resulting in uncontrolled cell division rather than controlled cell differentiation."

Last year Lai discovered an important clue about how a special kind of cell-growth regulator, known as a neural inhibitor, works genetically. He found that proto-eye cells could become neurons only when the gene for making a protein known as Tramtrack was inactivated.

"Tramtrack is a kind of 'gatekeeper' protein that prevents the cell from differentiating into a neuron," Carthew said. "When the cell receives a signal to become a neuron the signal-transduction pathway is activated, which induces the production of proteins that somehow get rid of Tramtrack."

With that discovery pointing the way, Lai, Carthew and the research team searched to discover exactly which proteins were responsible for destroying Tramtrack. They genetically engineered strains of fruit flies to test a number of genes whose protein products they suspected would be good candidates.

"There are two genetic directions you can take," Lai said. "If you want to show that a gene is important for some function, you take it away and see what happens. You can also cause genes to over-produce their protein product in a cell and see what happens then."

Using this approach, the researchers narrowed down their list of candidate proteins to just two, Phyllopod and Sina, and demonstrated that the two work together to target Tramtrack for destruction. In the process, they also discovered the first known biochemical function of the Phyllopod and Sina proteins.

"Our test-tube experiments demonstrated that Sina and Phyllopod bind to each other to form a partnership and that they also bind to Tramtrack to form a triad," Carthew said.

Using genetically engineered flies with either no Sina or with no Phyllopod proteins, Lai and Carthew discovered that the Tramtrack protein was able to be produced in the photoreceptor precursor cells, later transforming into cone cells.



ZHI-CHUN LAI

They also found that overproduction of Phyllopod alone prevented accumulation of the Tramtrack protein as long as the Sina protein also was available in the same cell.

"We consider that to be a dramatic change," Lai said. "It tells us, as do our corresponding studies in cell culture, that together Phyllopod and Sina proteins are essential for targeting the Tramtrack protein for destruction."

"We are pretty confident that together Phyllopod and Sina bind to the gatekeeper protein, Tramtrack, which is the kiss of death that marks it for destruction by the cell's garbage-disposal enzymes," Carthew said. "Once the gatekeeper Tramtrack protein is removed, the cell is free to become a neuron."

"Up until a few years ago, everyone thought developing cells always received positive signals, but now evidence is building at a rapid rate that the message often carried by the signal-transduction pathway is 'kill the gatekeeper,'" Carthew said.

Many vertebrate proteins, some known to be involved in cancers, carry a structural feature similar to the Tramtrack protein, according to Lai, who said, "We are now searching for other biological systems where genes for Tramtrack-like proteins prevent cell development."

Lai's research was supported by the National Science Foundation and by a March of Dimes Basil O'Connor Starter Scholar Research Award. Carthew's research was supported by the National Institutes of Health, the March of Dimes Birth Defects Foundation and the Pew Foundation.



Perennials that bloom in fall help make gardens last

You live with your landscape 365 days a year. Why not get the most of it?

"By using fall-blooming perennials you can keep your landscape and garden interesting even during the cold months," said Dan Stearns, associate professor of landscape contracting in the College of Agricultural Sciences.

Most fall-blooming perennials are hardy, long-lived and come in vivid colors. They can be planted from spring until mid-October. The dried flowers and stalks also can remain in the garden during winter, adding beauty to the landscape and providing a feeding place for birds.

"Fall is a good time to purchase and plant these perennials because you can see what the flowers look like," Stearns said. "It's best to visit many nurseries so you can see a variety of fall-blooming plants. You're also more likely to find some unusual ones."

Before buying perennials, prepare your soil by adding fertilizer, bone meal and organic matter. Plant the perennials in holes the same depth and width as the pots they come in and gently tamp the dirt around them. Mulching will hinder weeds and retain moisture.

"Perennials are hardy and can take a lot of weather extremes once they're established," Stearns said. "But they do need some care. Potted plants usually come with tags that give instructions about shade and watering requirements. It's important to water deeply or the roots will grow next to the soil surface and the plants will dry out quickly."

For more information on gardening, see the Web at <http://www.aginfo.psu.edu/news/psp/index.html>



A regular column provided by Intercollegiate Athletics

Grabbing the gold

Women's basketball Coach Rene Portland guided the USA Junior National women's team to the Gold Medal in the Junior Women's World Championships at Natal, Brazil, in an overtime victory (78-74) against Australia.

Student-athlete excels

Penn State gymnast Joe Roemer, who helped the Nittany Lions to four consecutive NCAA Championship appearances, has been awarded an NCAA Postgraduate Scholarship in the men's at-large division. A two-time place finisher at the USA Gymnastics Championships, Roemer was among the finalists for the 1997 Nissen Award, gymnastics' version of football's Heisman Trophy. He is a three-time All-Big Ten academic choice and two-time coaches All-Academic selection. Roemer will pursue a master's degree in finance.

Scholars chosen

Byron Clift and Brad Kittley of the Penn State golf team are among 102 student-athletes selected as 1997 Scholars by the Golf Coaches Association of America. Criteria for selection include a grade point average of at least 3.2, academic standing as a junior, a season stroke average of 78 or lower and participation in at least 75 percent of a school's scheduled competitive rounds.

She's a Roadrunner

Assistant softball Coach Kelley Green, a three-time All Big Ten honoree during her career at Northwestern, spent her summer playing for the Virginia Roadrunners of the Women's Professional Fastpitch League. A catcher, Green was a four-year starter for the Wildcats and rapped out a career record 215 hits.

For the latest information on Penn State Sports, visit the official Intercollegiate Athletics site on the World Wide Web at <http://www.psu.edu/> (Click on sports).

For the Record

In an Aug. 7 story about the online search for a dean of the Commonwealth College, the sources of assistance for the new venture were not accurate. Those helping to make information on potential candidates available on the Web include the Office of Human Resources, the Office of Budget and Resource Analysis and Kathryn Boynton of the Office of the President.



Mowing 'em down

Tom Houck of Farm Operations toils in the hot sun to mow the Mitchell pasture near Park Avenue on the University Park campus.

Photo: Greg Grieco

Obituaries

Maya A. Alwine, scheduler, Continuing and Distance Education, from March 1, 1971, until her retirement April 1, 1981; died June 11 at the age of 83.

George J. Caliva, assistant professor of engineering at Penn State Hazleton, from Jan. 1, 1964, until his retirement Jan. 1, 1992; died June 22. He was 72.

Leo A. Corbett, assistant professor of general engineering at Penn State Wilkes-Barre, from March 1, 1975, until his retirement Jan. 1, 1991; died May 24 at the age of 70.

Walter J. DeLacy, professor of education, College of Education, from Sept. 1, 1954, until his retirement Sept. 1, 1975; died June 7. He was 87.

William H. Folwell III, associate professor of extension information, College of Agricultural Sciences, from Feb. 1, 1956, until his retirement Feb. 1, 1985; died May 31 at the age of 72.

Sarah A. Hornbeck, clerk, verifier, University Libraries, from Jan. 29, 1970, until her retirement Feb. 1, 1980; died June 11. She was 83.

Peter N. Kutulakis, vice dean of The Dickinson School of Law of The Pennsylvania State University, died Tuesday, Aug. 5, while returning home from a trip to the American Bar Association annual meeting in San Francisco. Kutulakis was a member of the law school staff since 1974 and vice dean since 1995. As vice dean, he oversaw administrative operations of the

law school and recently assumed additional responsibilities as human resources representative and director of business services. He was 63.

Marjorie N. Quigley, associate librarian at Penn State Altoona, from July 1, 1962, until her retirement July 1, 1976; died June 8 at the age of 87.

Wynn C. Walker Sr., maintenance worker, Office of the Physical Plant, from June 17, 1972, until his retirement June 29, 1982; died June 15 at the age of 80.

Gladys N. Williams-Lucas, secretary, College of Agricultural Sciences, from March 10, 1958, until her retirement April 1, 1977; died June 10 at the age of 81.



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Volume 27, Number 2

Penn State freshmen go higher than they thought they could

By KAREN I. WAGNER
Public Information

Muscles tense, cables taut, timbers swaying, a steady forearm is extended to the trembling hand of a fellow freshman.

"AH!!! I want to get down! I want to get down NOW!!"

Her ground crew urges her on.

"We have you Kate. We have you like the Prudential!"

"I know my limits," exclaims Kate Hagerty of Broomall, Pa., as she clings to an oak timber that is swaying some 15 feet off the ground.

"You think you know your limits," corrects Amy Reinert, her orientation guide.

The ground crew checks the cable tension — feet, firmly planted; grip, secure.

"I'll give you all of my M&Ms. I'll give you all my baby wipes — Hey, you can have a shower!" tempts Kelly Hough, her ground belayer.

"O.K. I want to go up again — one more. Then, I'm going down," replies Hagerty as Glenn "The Rock" Bryce, of Monrovia, Md., steadies himself above her.

Talking through their possible moves, grips and maneuvers, advice from the crowd below is welcome. With a combination of pulling, stretching and balancing, Hagerty succeeds in hoisting herself up on the third rung of the swinging tree ladder, next to her buddy Glenn.

Cheers from the crowd.

"You did it girlie! Incredible! Great climb Kate!"

She's now some 20 feet in the air. And higher than she thought she could go.

Hagerty sums it up.

"It's like I want to get down, but I don't want to get down," she says.

The experience is humbling and confidence-inspiring at the same time. The experience draws them together as part of a unique group: the first Penn State freshmen going through orientation in the great outdoors.

Sponsored by the Penn State Outing Club, Shaver's Creek Environmental Center and Continuing and Distance Education, the Orion program helps new students form friendships and develop survival skills that will help them make the transition to college life. Universities across the country, from Ivy League to small private colleges and a few state universities, are implementing freshmen wilder-



Helping hand

Freshman Kate Hagerty (hanging) is hauled up to higher ground by Glenn Bryce during a new outdoor orientation activity.

Photo: Greg Grieco

ness trips modeled after programs like Outward Bound.

Dartmouth has one of the oldest programs, founded more than 60 years ago. It's also one of the largest, with almost 90 percent of its freshmen class participating. Professional medical schools like those at Harvard and Stanford and Stanford's Graduate School of Business are offering wilderness trips too. Destinations range from the Sierra Nevada, Yosemite and Big Sur on the West Coast to Shenandoah National Park, the Berkshires and the Adirondacks in the East.

At Penn State, all Orion trips begin and end at the Uni-

See "Orientation" on page 3

■ A LOOK BACK

Promises from last State of University Address answered

By LISA M. ROSELLINI
Public Information

Nearly a year after standing on the stage of Eisenhower Auditorium to tell members of the Penn State community about his vision and priorities for the University, President Graham B. Spanier is gearing up for yet another State of the University Address.

On Friday, Sept. 12, Spanier will again outline new initiatives for Penn State and reflect on the past year in his third annual address. Looking back at some of the promises he made during his 1996 speech, Spanier can point to several notable accomplishments — despite having several of his initiatives thwarted by a lack of funding.

In last year's address, the president promised — among other things — to boost admissions standards, put the squeeze on alcohol abuse, lobby for

See "Address" on page 2

University ranked among most efficient in nation

Consistent with earlier rankings by other organizations, *U.S. News & World Report* in its Aug. 25 college guide cites Penn State as one of the most efficiently operated universities in the nation.

In its 11th annual America's Best Colleges issue, the magazine rates Penn State as the fourth most efficiently operated national university. The ranking "identifies schools that rate relatively high in educational quality...but spend relatively less money to achieve quality."

Penn State is the only Pennsylvania institution on the list of top 10 efficiently operated national universities for 1997. The university moved up five spots on this ranking, from its 1996 position of being 9th most efficient.

How does Penn State do it?

"We have an obligation to spend tax dollars and student tuition dollars wisely and Penn State has always taken that obligation seriously," according to President Graham Spanier.

"We receive far less money from the

See "Efficient" on page 3

Address

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additional dollars from the state, increase support for Intercollegiate Research Programs, continue to humanize the University and hire new faculty.

"His [Spanier's] initiative in hiring more faculty has taken Penn State a step forward, but he has a way to go to complete the goal and the final assessment of his performance is yet to come," said Louis Geschwindner, professor of architectural engineering and chair of the University Faculty Senate. "We are certainly hopeful that this initiative will have an impact, and we all believe it will, but we'll have to wait and see."

Geschwindner said that during the past year, Spanier and the Faculty Senate have been working on a number of priorities outlined in the president's last State of the University Address. One example was a change in admissions criteria that will require incoming students to have at least two years of foreign language study under their belts.

"His interest in general education is longstanding and the interest of the Faculty Senate in this area is equally longstanding. The fact that we can come together and work on these initiatives for the good of the University is one of the really positive things about Penn State," Geschwindner said. "There have been a number of initiatives in terms of academics, assessing where we are and budget restrictions that have forced the various segments of the University to work together to make things happen. In fact, it would be my guess that in his next State of the University Address he will come up with some new things that the Faculty Senate will have to react to and there will probably be some things mentioned that we are already actively working on."

One such area where the Senate has been busy has been a yearlong process of taking a hard look at general education requirements, something that hasn't been seriously attempted for nearly 10 years, according to Robert Pangborn, associate dean for undergraduate studies in the College of Engineering.

Pangborn, chair of a special committee on general education which should have a report available by October, said the president has been extremely supportive of the idea to review and possibly revamp the general education requirements since the day Senate officers expressed a concern.

"A tremendous amount has been accomplished in the past year and I think the movement in certain areas has stimulated a lot of discussion in other areas too, discussion that otherwise would not have happened," Pangborn said.

Another area of movement for Spanier, which he highlighted as a priority during his 1996 State of the University Address, is the rapid progress made in creating the World Campus — an ambitious distance education goal. Mentioned for only a few brief minutes during his 1996 address, the concept of a World Campus — a "virtual university" with no walls, where learning is accomplished via the Internet or other new technologies — seemed a distant reality. In fact, the idea of the World Campus cropped up only toward the end of Spanier's speech, with little detail to flesh out the proposal. But just one year later, information provided by a 40-plus-page report on the topic shows that Penn State has plans to deliver nearly 30 academic programs. By the year 2002, the University is expected to offer more than 300 courses online or via CD-ROM in combination with other more traditional methods. This initiative also has been buoyed by a \$1.3 million grant from the Alfred P. Sloan Foundation.

"The President's vision for this area created energy for a year of intensive planning, undertaken by the University-wide World Campus Study Team," said James Ryan, vice president for outreach and cooperative extension. "A plan to implement the World Campus is currently moving rapidly and the first courses will be available next spring. The requirements of such a complex project requires a team effort and everyone from across the University has been responsive in bringing this together."

Also in last year's address, the president discussed the need for more state funds and pledged to make a special appeal to legislators in Harrisburg for increased financial support. The University receives less funds per student than any state-owned or state-related school in Pennsylvania and the funding of the College of Medicine in Hershey ranks 75th for state aid among 75 public colleges of medicine in the United States.

In several trips to the state capital over the past year, Spanier made good on his promise to seek not only more overall funding, but special allocations for the Libraries, information technology initiatives, deferred maintenance projects and a proposal to hire 100 additional faculty members. In addition, the University asked the state to provide an extra \$1 million for the first year of a five-year program in the College of Medicine that would enhance the quality of the medical education program.

According to Richard Di Eugenio, special assistant to the president for Governmental Affairs, Spanier's efforts "resulted in one of the largest increases in the state allocation for Penn State in a number of years." In addition to a 3 percent increase in the University's state allocation, Di Eugenio said, Penn State was able to garner a special \$2 million incentive from the governor for a private/public research initiative. Penn State also received an extra \$500,000 for agricultural research and an additional \$500,000 for agricultural extension operations — another priority mentioned in his 1996 address.

"President Spanier played a major leadership role in creating consensus among public higher education officials in Pennsylvania about the need to increase funding in general for higher education," Di Eugenio said. "Under his leadership, the community colleges, the state-owned universities and the state-related universities went to the Capital as a united front and talked to the leadership in the state House and Senate about the need for higher education to be treated better."

The state did not, however, deliver on much of what Penn State requested last year, the president forged ahead with his highest priorities — reallocating internal funds to provide the Libraries with a total of \$2.1 million and earmarking \$1 million for major maintenance of buildings on top of the \$7.3 million annually budgeted for that line item. He also shifted \$1.3 million in internal funds to cover his commitment to hiring new faculty in an effort to ease overcrowded classrooms.

In measuring President Spanier's success in meeting his stated goals, the University community should also take a look at other criteria, said Stuart Blithner, professor of business administration and a consultant on issues of corporate strategy and development.

"Although looking at accomplishments is certainly one measure of success and the president has indeed met goals, most organizations have goals in three areas: A goal for helping employees reach their full potential, a goal for providing a good product to the marketplace and a goal for providing a return to the people who are willing to invest in you," Blithner said. "Com-

parative measurements with other institutions in these areas will also tell you how well you're doing."

Outside sources have recently ranked Penn State high in various areas, such as the Aug. 25 U.S. News and World Report No. 4 ranking in the nation for operating efficiency and its No. 12 ranking overall among public universities (see story on page 3). In addition, Penn State received more SAT scores (53,238) from high school seniors in 1996 than any other U.S. college or university for the second year running, and it is ranked first in Pennsylvania and 10th in the nation in total science and engineering research and development expenditures (\$330.8 million), according to the National Science Foundation.

"Our faculty and staff are among the highest caliber and our students excel in a multitude of areas," Spanier said. "In my upcoming State of the University Address I will again emphasize my vision to be the best University in America in the integration of teaching, research and service."

Other pledges from the president's 1996 talk that have been accomplished or are in the process of being fulfilled include:

■ A change in the tuition structure

On July 11, the Board of Trustees okayed differential tuition rates at University Park and other campus locations for lower- and upper-division undergraduate students, graduate students and for resident and non-resident students. It also increased and expanded tuition surcharges for high-cost programs.

■ Child care

The first two of new child care centers at University Park is up and running. Daybridge at Penn State, a child care and educational facility is operating at Penn State's Research Park and can accommodate approximately 200 infant to school-age children. Talks continue on finding a location for the second center somewhere in the core campus area.

■ Broad plan to curb excessive consumption of alcohol by students

Spanier spoke out against binge drinking on numerous occasions, including public speeches dedicated to the topic and an appearance before the Pennsylvania Senate's Law and Justice Committee. He also has raised the issue in his work with the national Kellogg Commission on the Future of State and Land-Grant Universities. Opened the Hetzel Union Building 24 hours a day in an effort to offer students an alternative to parties and drinking. Spanier continues to work with student government leaders and the Interfraternity Council to provide attractive and constructive options to social events centered on alcohol. Offices across University have increased programming and educational efforts, offered freshmen seminars and delivered anti-drinking messages via the scoreboard at Beaver Stadium and The Bryce Jordan Center. Recent surveys of students have shown an increased awareness of problems associated with drinking and a decrease in alcohol consumption.

■ Research funding

Revised the current system of handling the distribution of research funding returned to the University for indirect costs and instituted a new incentive-based system. Changed University policy to provide for greater central allocation of funds to academic colleges and Intercollegiate Research Programs to better support units which are more heavily engaged in funded research.

■ Increased support for Intercollegiate Research Programs

Several reorganization moves will be made to the Intercollegiate Research Programs, as spelled out in the strategic plan for the Office of the Vice President for Research, which will create clusters of research activity and form a more cohesive group that encourages communication and collaboration.

Spanier's 1997 address is scheduled for 4 p.m. and is open to the University community.

Orientation

continued from page 1

versity Park campus, located in the valley between Bald Eagle Mountain and Tussey Ridge in Pennsylvania's Appalachians. Campers spend five days and four nights on the trail. The grand finale is a day on the high-ropes course, built by the Penn State Outing Club near Shingletown Gap.

"They get to meet new people and challenge themselves physically and emotionally by stepping outside their comfort zone. But, we also want them to have fun," says Kurt Merrill, program supervisor for the Penn State Outing Club.

In addition to backpacking and high-ropes, their week includes team-building activities and ground school to teach them the basics of belaying. "Belay" is a French nautical term meaning to wrap and secure the rope. In climber's terms, it's a technique for keeping the climber safe by holding on to the other end of the rope.

The students keep journals and are required to write a reflective paper about their first weeks on campus, looking for parallels between the challenges of Orion and the challenges of college life.

The first two orientation trips ran this summer, Aug. 10-15 and Aug. 17-22. Freshmen who enrolled for either session received two credits toward their general education requirements.

Students paid tuition on the two credits, in addition to a \$125 program fee for meals, equipment and the use of camping gear. Orientation leaders were hired and trained to supervise activities and expose incoming freshmen to the lush beauty of Pennsylvania forests and wilderness.

The program's namesake is the constellation Orion, which contains some of the brightest stars in a night sky. Similarly, organizers see the orientation program as a guide to Penn State freshmen: striking new beginnings, establishing new friendships and new directions in their academic and professional careers.

Response from the first group of Orion graduates confirms that planners hit their mark as campers hit the trails — and the ropes.

From future engineers, to business majors, anthropologists and artists, Orion brings together groups of strangers, who share the experience of facing their fears and testing their limits.

"Don't look so worried Anita!" Hough called to her belayer, when it was her turn to start climbing. "I trust you completely."

And she did. Standing atop the highest rung, surveying the group 50 feet below.

In a word, it was "awesome."

"I loved the Orion orientation program," said Hough later. "It couldn't have been a better week. I feel like I'm way ahead of the game — I got to meet new people and make friends. And now I know where to go hiking if I want to return on my own."

A reunion is already planned. On Oct. 4 they'll reassemble, figurative safety lines attached to one another. They'll talk about goals and compare their experiences transitioning from high school to college.

The Orion program is open to Penn State freshmen enrolling in summer session or fall semester at all campus locations. For more information, contact Suzanne St. Pierre, Conferences and Institutes, at (814) 863-5140. For information on the Penn State Outing Club, contact Kurt Merrill at (814) 865-2472, or visit their Web site at <http://cac.psu.edu/~tsn3/psoc/>.

University speaks out about amusement tax

In a move to protect the University's historical and court-approved tax status, Penn State officials have reiterated their position on a possible amusement tax being mullied by the State College Area School Board.

In a letter to the board dated Aug. 20, Gary Schultz, senior vice president for finance and business/treasurer, expressed disappointment in the school board's recent discussions about imposing a 5-percent amusement tax in the school district. The tax could cover everything from video games to football tickets. A board committee is putting the finishing touches on the tax proposal that may be discussed as early as September.

"Penn State — as an instrumentality of the Commonwealth — is immune from all local taxation," Schultz said. "Imposing a tax of this nature jeopardizes the University's 1992 tax agreement among local governing bodies. This agreement was developed and approved by all parties."

Under the agreement Schultz was referring to, Penn State pays out about \$1 million per year in cash and in-kind services to the school district and other local governments. University officials explain that The Bryce Jordan Center and Beaver Stadium, which would both fall under such a tax, already provide significant financial benefit to the region which far outweighs any financial impact on the governing bodies involved.

As part of the \$1 million in payments made under the current arrangement, the school district receives

University officials said Penn State would take "all necessary actions to protect" its tax status.

an in-lieu of tax payment for University family-related housing, which is what a private, for-profit apartment owner would be paying in taxes for the same apartments.

"It is important to note that the other parties to the agreement determined the distribution of the \$1 million — not Penn State," Schultz said. "As we have in the past, we are willing to sit down with the school board to discuss the University's impact on the school district. Penn State brings many things to this community in terms of benefits. For one thing, it directly and indirectly helps the local school district by helping the local economy."

Schultz said Penn State has worked well over the years with the school district and is "profoundly disappointed with these efforts to impose a tax on a tax-exempt entity like Penn State."

University officials said Penn State would take "all necessary actions to protect" its tax status and under no circumstances would it consider paying or collecting an amusement tax.

Efficiency

continued from page 1

state than any of our Big Ten counterparts. And here in Pennsylvania, we receive far less state dollars per student than any of the other state-owned and state-related institutions," he said.

"We spend carefully, we plan for the future and we have dedicated faculty and staff," Spanier said. "It is nice to be recognized year in and year out for the value and efficiency with which we operate Penn State, but to be honest, we could do even more for the people of Pennsylvania if our funding level was closer to that of our peer institutions."

Although it educates more students than all but one other university in the Big Ten, Penn State receives an average \$88 million less in state appropriation than the other schools receive from their states.

In recent years Penn State has also consistently been included in the guidebook *101 of the Best Values in America's Colleges and Universities*, which cited the University Park campus for its "multitude of superior academic offerings."

And *Money* magazine in 1996 and again in 1997 included Penn State on its list of Best College Buys "when you consider the quality of education offered versus the tuition charged."

In the same issue of *U.S. News & World Report* Penn State is ranked 12th in the nation overall among public universities and is the only Pennsylvania institution listed among the top 25 public national universities.

WE'RE NO. 1!

Joe Paterno's Nittany Lion football team may be ranked No. 1 in pre-season polls by the Associated Press and cited on the cover of the new issue of *Sports Illustrated*, but Penn State is also ranked No. 1 in many other ways.

The Associated Press poll consists of a vote taken of 70 sports reporters around the country and it is based entirely on their opinions and feelings. Many of the other No. 1 rankings for Penn State are based on factual data. Here are some of the things for which Penn State is ranked No. 1 — outside of its considerable accomplishments in Beaver Stadium.

■ Penn State ranked No. 1 among all public universities in fiscal year 1995 for the amount of industry sponsored research, with a total of more than \$50 million in such research.

■ The College Board reports that Penn State ranked first nationally in receiving unsolicited SAT scores from high school seniors in both of the past two years.

■ Penn State ranks No. 1 for the largest alumni association in the world with more than 140,000 dues-paying members.

■ Penn State is No. 1 in enrollment among more than 120 colleges and universities in Pennsylvania, with more than 77,000 students in the 1996-97 school year.

■ Penn State is ranked No. 1 among all public universities in the nation for the amount of research it does for the Department of Defense. More than \$57 million in defense research in fiscal year 1995.

■ The University ranks No. 1 in the number of Ph.D.s in art education; the No. 1 Ph.D. program in geography (according to the National Research Council); second to no one as a producer of meteorologists in the nation; the No. 1 program in adult education (according to *Adult Education Quarterly*); the No. 1 program in acoustics; the No. 1 public research university in the nation in graduating African-Americans who go on to earn doctoral degrees in the sciences; and the No. 1 program in higher education (according to *U.S. News & World Report*.)



LECTURES

Philadelphia designer to give first 1997-98 Bracken Lecture

Jon Coe, principal and founder of CLR Design Inc., Philadelphia, and 1997-98 Bracken Fellow will kick off this year's John R. Bracken Lecture Series. The lecture, "Practice at the Edge," is scheduled for 8 p.m. Thursday, Sept. 4, in the Regency Room at the Atherton Hotel in State College. The Bracken Lecture is sponsored by the College of Arts and Architecture's Department of Landscape Architecture.



JON COE

A landscape architect with extensive experience in planning, landscape and exhibit design, Coe also is a Fellow of the American Society of Land-

scape Architects. With more than 30 years of intense focus on zoo design, he is an expert on animal habitats and related botany. Coe has led many institutions to innovate approaches involving animal behavioral enrichment. He continues to publish numerous articles on exhibit design and theory while designing and building exhibits for zoos and aquariums, nationally and internationally. His worldwide research safaris have yielded an extensive database and in-depth knowledge of natural animal habitats.

The lecture is free to the public.

Learn about the Nittany Lion on Sept. 6

Steven Herb, education librarian, and Jackie Esposito, senior assistant librarian and assistant University archivist, will present "The Nittany Lion from the Inside Out," a slide presentation of the history, facts and fiction surrounding the Nittany Lion mascot and shrine on Sept. 6 at 9 a.m. at The Nittany Lion Inn on the University Park campus.

Herb and Esposito are authors of *The Nittany Lion: An Illustrated Tale*, which will be published by the Penn

State Press in September. Their free presentation is part of this fall's Huddle with the Faculty, a Penn State Alumni Association continuing and distance education service that features presentations by top Penn State faculty prior to every home football game.

For more information on upcoming speakers in this year's Huddle with the Faculty series, contact Mary Jane Stout, alumni continuing education, at (814) 865-5466.

Fall colloquia planned on gerontology issues

The Gerontology Center at Penn State, along with the Geriatric Center of Pennsylvania, is sponsoring colloquia for the fall 1997 semester. All seminars will be held in The Living Center, 110 Henderson Building, on the University Park campus from 4-5 p.m. Wednesdays, unless otherwise noted. The schedule follows:

■ Sept. 3: "Older Pennsylvanians in the Economy," presented by David L. Passmore, professor of vocational education at Penn State.

■ Sept. 10: "The Health Effects of Caregiving: Findings from the Cardiovascular Health Study," given by Richard Schulz, professor, Department of Psychiatry and University Center for Social and Urban Research at the University of Pittsburgh.

■ Sept. 18 (Thursday): "Adaptive Strategies in Late Life," presented by Colleen Johnson, Medical Anthropology Program, The 85th Study, University of California, San Francisco.

■ Sept. 24: "Studies of Recovery from Hip Fracture: The Baltimore Hip Studies," presented by Jay Magaziner, associate professor, Department of Epidemiology and Preventive Medicine and director of the Division of Gerontology, University of Maryland School of Medicine.

■ Oct. 1: "The Relationship Between Life Patterns of Exercise and Selected measures of Wellbeing in Older Adults," given by Sarah H. Guelnder, professor and director of the School of Nursing, Penn State.

■ Oct. 8: Michael Marsiske, assistant professor at the Institute of Gerontology, Wayne State University, will present "Sensorimotor Aging and Cognition: Exploring the Connections."

■ Oct. 13-14: Gerontology Center Conference — "Social Structures and Mobility in the Elderly" to be held at the Penn State Conference Center Hotel. Transportation available from the HUB.

■ Oct. 15: "The Effect of Resistance Training on Energy and Protein Requirements in Older Adults," presented by Laura J. Gerace, NIA predoctoral fellow, Gerontology Center, Penn State.

■ Oct. 22: Leonard Pearlman, professor of sociology at the University of Maryland, College Park, will present "Stressors in Late Life: Conceptual Issues in the Study of the Stress Process."

■ Oct. 29: "Strength, Muscle Fiber Area and Hormonal Changes in Elderly Subjects with 24-weeks of Resistance Exercise Training," presented by Fred Harman, NIA predoctoral fellow, Gerontology Center, Penn State.

■ Nov. 5: TBA

■ Nov. 11 (Thursday): Margaret Morganroth Gullette, author and fellow of the National Endowment for the Humanities, will discuss "The Postmaternal Phenomenon" at a location to be announced. Gullette also is a Fellow with the American Council of Learned Societies and the Bunting Institute of Radcliffe.

■ Nov. 19: Martin Orrell of the Department of Psychiatry at the University College of London Medical School will speak.

■ Dec. 3: "Consumer Assessment of Health Plans," presented by Pamela Farley Short, director of the Center for Health Policy Research and professor of health policy and administration at Penn State.

News in Brief

Give blood

A September campus blood drive kicks off on Thursday, Sept. 4, at Kern Building from 10 a.m. to 4 p.m., and will continue on Tuesday, Sept. 9, in Atherton Hall and Wednesday, Sept. 10 in Pollock, from 1 to 7 p.m.

For more information about blood donation, call the regional Red Cross at 1-800-54-BLOOD. While walk-in donors are welcome, appointments help reduce processing time and can be made by calling Connie Schroeder, Red Cross blood services campus coordinator, at 237-2713.

Adult art classes

Arts and craft classes for adults are starting at the Hetzel Union Center for Arts and Crafts at University Park the week of Sept. 8. Classes include jewelry making, bookmaking, drawing, mixed media, painting, stained glass, various levels of pottery and more. The center also offers pottery studio memberships. Call 863-0611 for more information or stop by 312 HUB to register today.

Student Involvement Fair

The University's annual Student Involvement Fair will be held from noon to 6 p.m. Sept. 10-11 in the HUB Ballroom and Fishbowl at University Park.

More than 145 tables featuring information about student organizations and interest groups will be on display. Students and staff will be on hand to answer questions about membership and activities.

For more information, contact Bob Brouse at the HUB information desk, (814) 865-2000; or e-mail rwb7@psu.edu.

Year-round programs at the Nat

The McCoy Natatorium on the University Park campus, open to the public in the Centre Region, has several programs that continue through the colder months. They include:

■ Springboard Diving

All levels of divers can participate in one of several programs offered and learn proper body alignment on the board, basic directional maneuvers and

proper body positioning for entry into the water. Programs offered are: "Learn to Dive" — for 6 years old and up; "Novice Diving" — for those who have participated in previous "Learn to Dive" sessions; and "Junior Olympic Diving" — for those with previous competitive experience.

■ Special Populations

Meeting Monday through Friday, between 10 and 11 a.m. at the Nat, this program is open to senior citizens and individuals with disabilities.

■ Aquacise

Offered at both the Nat and the White Building, this program has five different levels of intensity and is offered on various days at various times.

■ Age Group Swimming

Training sessions for young swimmers of all ages are offered. The objective of this training program is to help prepare each swimmer to attain his/her goals and to foster enjoyment of competitive swimming.

For more information on these or other programs offered at the McCoy Natatorium, call 865-1432.

Evan Pugh Professorship nominations sought

Nominations for Evan Pugh Professorships are being sought by The Office of the President.

"The Evan Pugh Professorship recognizes outstanding scholarly and professional achievement among a highly select group of Penn State faculty," President Graham B. Spanier said. "We are pleased to open the competition again this year to fill a limited number of vacancies. The addition of these Evan Pugh Professors will enhance our efforts to recognize outstanding scholarship at the University."

A total of 49 Evan Pugh professors have been named since the professorships were established in 1960. There are currently 22 active Evan Pugh professors. The selection process is administered by the Office of the Vice President for Research. The Evan Pugh Advisory Committee will review nominations and make recommendations to the president by March 31, 1998.

The Evan Pugh Research Professorships were established Feb. 1, 1960, "to honor distinguished professors and recognize the importance of research in maintaining quality and progress in the work of the University." The advantages that the recipients receive are recognition, improvement in

salary, support for research or scholarship activities, and a degree of independence from normally assigned duties in their academic departments.

In 1973, the Board of Trustees approved a title change to "Evan Pugh Professor (of discipline)." Professors are selected without regard to college affiliation, program or location. Professorships are granted only to candidates who are acknowledged national and international leaders in their fields of research or creative activity.

In addition, candidates must "have demonstrated excellent teaching skills and contributed significantly to the education of students, both undergraduate and graduate, who subsequently have achieved demonstrable recognition for excellence in their fields." Candidates also must hold the rank professor with at least five years of service to Penn State.

The Evan Pugh professors are appointed by the president at the recommendation of the advisory committee.

All nominations must be submitted to the dean of the academic college in which the nominee is appointed according to established guidelines. Current nomination guidelines may be obtained by

calling (814) 863-9580, by e-mail message to vxi2@psu.edu, or by stopping in 304 Old Main. The closing date for receipt of nominating materials by the deans is Oct. 31, 1997.

The current Evan Pugh professors and the year of their appointment are as follows: Stephen J. Benkovic, chemistry, 1977; George E. Andrews, mathematics, 1981; Rustum Roy, solid state, 1981; Elliot S. Vesell, pharmacology, 1981; Harry R. Allcock, chemistry, 1985; L. Eric Cross, electrical engineering, 1985; Gordon P. Garmire, astronomy, 1985; Anthony E. Pegg, physiology, 1985; Nicholas Winograd, chemistry, 1985; Francis T. S. Yu, electrical engineering, 1985; A. Welford Castleman, chemistry, 1986; Peter R. Gould, geography, 1986; Budugur Lakshminarayana, aerospace engineering, 1986; Gerald E. McClean, health and human development, 1986; K. Warner Schaie, human development and psychology, 1986; Stanley Weintraub, arts & humanities, 1986; Moses H. W. Chan, physics, 1994; Hellmut Hager, art history, 1994; Masatoshi Nei, biology, 1994; James B. Anderson, chemistry, 1996; Paul F. Baum, mathematics, 1996; and Leonard S. Jefferson, cellular and molecular physiology, 1996.



What was that row number?

Brian Ishler and Josh Wagner, members of the Intercollegiate Athletics grounds crew, paint fresh row numbers in the stands at Beaver Stadium on the University Park campus. They and their co-workers are busy getting the stadium ready for the roughly 95,000 who will be there on Saturday, Sept. 6, to see the Nittany Lions take on Pittsburgh in the first football game of Penn State's season.

Photo: Greg Grieco

Private Giving

Alumni Center to benefit from couple's \$125,000 gift

Penn State alumnus James Carnes and his wife, Nancy, of Pennington, N.J., have committed \$125,000 to the University to help build a new alumni center.

James Carnes is president and CEO of the David Sarnoff Research Center, an industry- and government-supported electronics research firm based in Princeton, N.J. He earned a bachelor's degree in engineering science from Penn State in 1961 and a Ph.D. in electrical engineering from Princeton in 1970. Nancy Carnes is a native of Middlebury, N.J.

The alumni center is planned as an addition to University House on the University Park campus, and will be financed entirely by private funds. Although Penn State has the largest

dues-paying alumni association in the world — more than 140,000 members — it is one of the few major universities that has no dedicated alumni center. The structure's estimated cost is \$7 million. Linda O'Gwynn Architects of Philadelphia will design the center, and construction could begin as early as 1998.

A native of Hagerstown, Md., Carnes holds nine U.S. patents, has authored more than 100 technical papers and presentations and is a member of the National Academy of Engineering. He has received the David Sarnoff Award for Outstanding Technical Achievement and was named a Distinguished Alumnus and an Outstanding Alumnus of the College of Engineering by Penn State.

Fayette campus receives \$60,000 gift

A gift of \$60,000 from the estate of late Penn State Fayette faculty member Charles H. Wall has endowed a scholarship fund for students in the campus letters, arts and sciences program. Charles H. Wall Memorial Scholarships will go to academically talented undergraduates in the four-year program who have financial need.

An earlier gift of \$35,000 from Wall endowed the Elizabeth H. Wall Scholarship fund for Fayette campus nursing students in memory of his late mother, who served as a midwife during the coal mining years of Fayette County.

A resident and native of Uniontown, Wall died in 1996 at age 63. He was a veteran of the Korean War and

earned his bachelor's degree in English from Waynesburg College in 1956. He later taught and pursued graduate studies at the University of Arkansas, and did doctoral work at other institutions, including Penn State.

Wall worked for the School Division of the Panama Canal Co. from 1963 until 1985, when he joined the English faculty at Penn State Fayette. At Fayette, he was coordinator of the letters, arts and sciences program, led the campus ad hoc budget committee and was host of the Campus Poetry Forum. From late 1991 until his death, he also served as head of the English department and as campus representative for the College of the Liberal Arts.

Arts & Entertainment

Tap troupe

"Tap Team Two and Company" will bring its innovative style of dance to both campuses of the Capital College next month. The touring troupe will entertain at Penn State Schuylkill Sept. 16 at 7:30 p.m. in the Morgan Auditorium and on Sept. 17 at noon in Penn State Harrisburg's Gallery Lounge. The performances are free to the public.

Tap Team Two is a new form of tap that presents a more percussive tap voice "without sacrificing any poetry of movement or musical collaboration." The company uses the sounds made by feet to form an orchestra with each dancer being a different instrument.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Thursday, September 4
"State Fair," Center for the Performing Arts, 8 p.m. Sept. 4 and 5, and 2 p.m. Sept. 7; Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Sunday, September 7
Evelynn Ellis, faculty recital, 3 p.m., Recital Hall.
Mark Lusk, trombone, faculty recital, 8 p.m., Recital Hall.

SEMINARS

Tuesday, September 2
Ivan Illich on "The History of Institutions that Fit People Into Technology: Schools, Hospitals, Prisons, etc.," 6:30 p.m., 112 Walker Hall.

Wednesday, September 3
David L. Passmore on "Older Pennsylvanians in the Economy," 4 p.m., The Living Center, 110 Henderson.

Thursday, September 4
Carlos Lusto on "Understanding Initial Data for Black Hole Entropy," 11:30 a.m., 339 Davey Laboratory.

Saturday, September 6
Steven Herb and Jackie Esposito on "The Nittany Lion from the Inside Out," 9 a.m., The Nittany Lion Inn.

CONFERENCES

Friday, August 29
■ "Dogpatch: Burns, Hicks & Hillbillies in the Ancient Near East," The Nittany Lion Inn, through Aug. 30.
State 4-H Days, Findlay Commons, through Aug. 31.

EXHIBITS

HUB Browning Gallery
Sculptures by Marilyn Collins, Sept. 3 through Oct. 31.

Palmer Museum of Art
"Making History: Historical Narratives in Pennsylvania Prints," through Aug. 31.
School of Visual Arts Faculty Exhibition, through Sept. 14.

"Our Town: A Selection of Town Views from the Pennsylvania Prints," through Sept. 28.

Zoller Gallery
School of Visual Arts Sculpture Exhibition, Sept. 3 through 26.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

AUGUST 29 - SEPTEMBER 7



BRYCE JORDAN CENTER

Pro basketball featured

NBA basketball comes to The Bryce Jordan Center as the Boston Celtics take on the Atlanta Hawks in a preseason game at 7:30 p.m. Friday, Oct. 10. Tickets are \$42-\$35, \$19.50, \$15 and \$10 for reserved seating. Group rates also are available.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart ticket outlets, Commonwealth campus and college ticket outlets, or by calling (814) 865-5555 locally or toll-free at (800) 863-3336.

For more information on Bryce Jordan Center events, visit the Web at <http://www.bjc.psu.edu/>.

Faculty/Staff Alerts

Intercom schedule altered

In order to cover the State of the University Address and provide more timely news on action taken by the Board of Trustees, a special section of the *Intercom* will be published on Monday, Sept. 15, following the Sept. 12 address and Trustee meeting. This issue will replace the Thursday, Sept. 11, issue that was previously scheduled for publication. The remaining September issues will follow the previously published schedule:

Publication date	Copy deadline
Sept. 4	Aug. 27, noon
Sept. 18	Sept. 10, noon
Sept. 25	Sept. 17, noon

Collaboration sought

Penn State faculty and staff members interested in collaborating with colleagues at Penn State's key partner institutions in South America are invited to submit proposals for seed funding. Eligible partners include the University of the Western Cape, the University of Cape Town and the University of the Witwatersrand. Three awards ranging from \$8,000 to \$13,000 each are anticipated.

The integrated projects should combine two of the following: curricular initiatives, human resources development, research collaboration and capacity building. The proposals should be designed to leverage external funding for a larger project.

Proposal deadline is Sept. 15, with a project implementation start date of January 1998. To request applications or for more information, contact Pam Gudeman at International Partnerships and Academic Linkages at (814) 865-0414.



Capturing natural beauty

Kevin Francis, a business student at University Park, uses acrylic paints to produce a landscape painting of sunflowers at the University's Trial Garden on Park Avenue. Francis took Nancy Brassington's introduction to painting for non-art majors this summer.

Photo: Greg Grieco

CAC seminars offered

The Center for Academic Computing is now accepting registrations for fall 1997 seminars. CAC offers seminars throughout the year on computing basics, tools and strategies for teaching, learning and research. All seminars are free and open to all University faculty, students and staff.

Seminars being offered for the Mac include: Microsoft Word, Excel, PowerPoint Presentations, FileMaker Pro, Introduction to Photoshop, Introduction to Pagemaker, Creating Web Pages Using the Macintosh and Web Graphics on the Macintosh.

Seminars offered for Windows users include: Microsoft Word, Excel, Better Conference Presentations, Excel, Microsoft Access, PowerPoint Presentations, Windows NT and Windows 95 Dial-Up Networking with CACTWIN Installation, Windows NT 4.0 Advanced Topics and Windows NT version 4 Internet and Web Server Topics.

For more information, check the CAC Fall 1997 Seminars guide, call (814) 863-9522 or visit the Web at <http://cac.psu.edu/training/>

Tax on employee discount for graduate courses

The Taxpayer Relief Act, signed by President Clinton on Aug. 5, extends the exemption for employer-provided educational assistance, for undergraduates only. This extension will be in effect until May 31, 2000. As in the past, those employees and their spouses who take advantage of the employee discount for graduate-level courses will be taxed on the amount of the discount through the payroll system.

In an attempt to reduce the impact on the employee, the Payroll Office

breaks the discount into thirds and withholds the taxes over a three-month period. The Payroll Office is currently in the process of applying the taxes for the summer sessions. The first third was already applied, and the remaining two-thirds will be taken in August and September. The months designated for withholding taxes for the fall semester are October, November and December. Withholding for spring semester will occur in April, May and June.

If you have questions regarding the actual taxes that were withheld, contact the Payroll Office at (814) 865-7621 or payroll@psu.edu. If you have questions regarding the employee discount as it relates to your student account, contact the Office of the Bursar at (814) 865-6528 or <http://www.bur.psu.edu/post.html>.

Join Sigma Xi

Faculty or students may join Sigma Xi, the Scientific Research Society which honors scientific accomplishments, as either an associate member or a member. Any individual who has shown noteworthy achievement as an original investigator in a field of pure or applied science is eligible for election as a member. Individuals who have shown aptitude for research expected to lead to the fulfillment of the requirements for full membership are eligible to become associate members.

Sigma Xi, founded in 1886 at Cornell University, has more than 500 chapters across North America, including the one at Penn State. There are approximately 103,000 active members and associate members of Sigma Xi.

For more information about the Penn State chapter, Sigma Xi or the benefits of joining, contact Pat Gong at (814) 863-8648 or by e-mail at pmg5@psu.edu.

Libraries to offer several search courses for fall

The University Libraries are offering the following series of seminars during the fall semester to help library users learn more about the growing number of databases accessible through the Library Information Access System (LIAS) and on CD-ROM. LIAS searching techniques that enable users to maximize their searching power will be presented.

In an effort to accommodate as many participants as possible, some sessions are offered more than once. To register or learn more about the seminars, send an e-mail to signup@psulias.psu.edu. If you have any additional questions, contact Doris Herr at (814) 863-0325. Seating is limited so register early. Information on the seminars can also be found by typing **HELP WORKSHOP** when using LIAS or on the Libraries' Web site at <http://www.libraries.psu.edu>.

■ Penn State Libraries Catalog in LIAS

This seminar offers an overview of The CAT in LIAS and hands-on practice in applying LIAS searching techniques; all sessions take place in Tower Room 402, Central Pattee Library.

Sept. 15: Oct. 7, 29 — 8:30-10:30 a.m.

Sept. 2, 12; Oct. 2, 20; Nov. 6 — 10 a.m.-noon

Sept. 10, 29 — 11 a.m.-1 p.m.

Sept. 4, 18, 26; October 8, 17 — 1-3 p.m.

Sept. 23 — 5-7 p.m.

■ AGRICOLA database

Oct. 7 — 1-3 p.m.; Tower Room 402, Central Pattee Library.

■ Career Information on the Internet

Oct. 14 — 5-7 p.m.; Pollock Library.

■ Career Sources in Science on the Internet

Sept. 9 — 8:30 to 10 a.m.; Tower Room 402, Central Pattee Library.

■ Census Data on the Internet

Nov. 12 — 8:45-10 a.m.; Tower Room 402, Central Pattee Library.

■ Chemical Abstracts

This seminar covers techniques for searching CAsSearch, the online database equivalent of Chemical Abstracts, for chemical literature.

Nov. 4 — 10 a.m.-noon; Tower Room 402, Central Pattee Library.

■ Citation Indexes

This program covers techniques for searching Science Citation Index, Social Sciences Citation Index, and Arts and Humanities Citation Index.

Oct. 28 — 10 a.m.-noon; Tower Room 402, Central Pattee Library.

tral Pattee Library.

■ Congress and the Legislative Process on the Internet

Nov. 19 — 8:45-10 a.m.; Tower Room 402, Central Pattee Library.

■ Earth Sciences

This seminar examines local and remote databases available for the earth sciences; 109 Deike Building.

Sept. 11 — 9-11 a.m.

Oct. 29 — 4-6 p.m.

■ Education Resources (databases)

Nov. 24 — 8:30-10 a.m.; Tower Room 402, Central Pattee Library.

■ Engineering Resources

Sept. 18 — 6-8 p.m.; Oct. 16 — 1-3 p.m.; Tower Room 402, Central Pattee Library.

■ EndNote Bibliographic Software

This seminar is an introduction to the EndNote/EndLink Bibliographic Software, which allows the automatic importing of citations from electronic databases such as MEDLINE, the manual inputting of new citation records, the formatting of references in manuscripts, and the creation of bibliographies in more than 300 styles. Learn how to upload from a diskette saved citations from a CD-ROM search and create bibliographies with saved citations; Nov. 24 — 1-3 p.m.; Tower Room 402, Central Pattee Library.

■ The Future of the Text

Topics will include how the features of the book have shaped electronic media, and how electronic media might affect the book's future shape. Discussion is encouraged and participants are urged to bring questions; Oct. 21 — 3-5 p.m.; Tower Room 402, Central Pattee Library.

■ History

This seminar offers hands-on practice in applying LIAS searching techniques relevant to historical research.

Nov. 5 — 8:30-10 a.m.; Tower Room 402, Central Pattee Library.

■ Interlibrary Loan

This seminar features practice in searching electronic resources for items not owned by Penn State.

Oct. 14 — 3-5 p.m.; Tower Room 402, Central Pattee Library.

■ International Resources on the Internet

Nov. 24 — 5:30-7:30 p.m.; Tower Room 402, Central Pattee Library.

■ Literary and Historical Manuscripts

Oct. 14 — 1-3 p.m.; Tower Room 402, Central Pattee Library.

■ Literature databases and resources

Oct. 22 — 10:30 a.m.-noon; Tower Room 402, Central Pattee Library.

■ Literature on the Internet

This seminar provides an overview of literary resources on the Internet. Subjects covered include cyberculture, hypertext fiction, the state of the art of electronic critical editions, the use and research value of large textual databases, the availability of online textual archives, as well as basic Internet searching strategies.

Sept. 23 — 3 to 5 p.m.; Tower Room 402, Central Pattee Library.

■ Materials Science

Oct. 2 — 10 a.m.-noon; 109 Deike Building.

■ MEDLINE

Oct. 23 — 10 a.m.-noon; Tower Room 402, Central Pattee Library.

■ Molecular Biology resources

Oct. 1 — 1-3 p.m.; Tower Room 402, Central Pattee Library.

■ Multicultural and Diversity Resources

Oct. 14 — 8:30-7:30 p.m.; Tower Room 402, Central Pattee Library.

■ Music resources

Oct. 29 — 1-3 p.m.; Tower Room 402, Central Pattee Library.

■ NEXIS

(Note: LEXIS/NEXIS is available only for Penn State faculty, staff, and students engaged in course-related research. Participants must present a valid Penn State ID at the seminar.) Nov. 7 — 10 a.m.-noon; Tower Room 402, Central Pattee Library.

■ Psychology databases

Sept. 23 — 8:30-10 a.m.; Tower Room 402, Central Pattee Library.

■ Research on the Web

Designed for those who have little experience searching the Web, and using it to do research.

Sept. 11 — 8:30-10 a.m.; Tower Room 402, Central Pattee Library.

■ Spanish and Latin American Resources

Oct. 9 — 1-3 p.m.; Tower Room 402, Central Pattee Library.

■ Women's Studies databases

Oct. 2 — 8:30-10 a.m.; Tower Room 402, Central Pattee Library.

Eight join staff focus panel

The following staff members have been appointed to the Staff Focus Committee: Patricia Corbett (Intercollege Programs); Linda Enskeli (Academic Affairs, Penn State DuBois); Shelia Murray (Business Services, Penn State Abington); William Piekielek (Department of Agronomy); R. Thomas Rodkey (Office of Physical Plant); Beverly Sampsell (Health Policy and Administration); Linda Spangler (Department of Economics); and Darrell Thomas (College of Education).

"These new appointments will provide additional contacts for staff members who wish to use the Staff Focus Committee as a resource to discuss staff concerns," Billie Willis, assistant vice president for human resources, said.

Willis has said that the input she and the central administration receive from the Staff Focus Committee is extremely valuable. The fact that the committee is representative of a cross-section of staff across the University is beneficial to the discussion which takes place at each meeting. Members of central administration regularly meet with the Staff Focus Committee.

LGB commission welcomes new members

New members have been appointed to the Commission on Lesbian, Gay and Bisexual Equity by James B. Stewart, vice provost for educational equity. The new members are: Julie Acker, assistant director of community development and educational programming; Robin Becker, associate professor of English; John Champagne, assistant professor of English and director of the composition program; Erin Cross, graduate student; Nona Gerard, associate professor of theatre arts; Duane Gildea, undergraduate student; Lori Ginzberg, associate professor of history; Sally Pick, extension associate; Jose Rodriguez, coordinator of minority affairs; and Winfield Turpin, undergraduate student. The chair of the commission is Sallie McCorkle, associate professor of visual arts. The chair-elect is Bob Seads, head of the Math Library.

Created in 1991, the Commission on Lesbian, Gay and Bisexual Equity is an advisory group to the vice provost for educational equity. The purpose of the commission is to improve the climate for diversity within Penn State and to address

issues affecting the welfare of lesbian, gay and bisexual members of the University community.

The commission is composed of four standing committees: curricular integration; education; Commonwealth College and other locations; and student concerns. The commission also initiates task forces for special topics. Currently, these topics include domestic partner benefits, the Lesbian Gay Bisexual Support Network, and the Lecture Series on Lesbian, Gay and Bisexual Lives.

The commission provides many services to the University community and welcomes inquiries and volunteers. For more information, please contact Sue Rankin, senior diversity planning analyst, 313 Garban Building, University Park, Pa. 16802, (814) 863-8415 or sxr20@psu.edu. The commission's Web page is: <http://www.psu.edu/staffdiversity/lgb.html>.

The commission will sponsor a reception on Friday, Sept. 5 at the Paul Robeson Cultural Center on the University Park campus beginning at 6 p.m. All interested individuals may attend.

ALUMNI FELLOWS

Four given University's highest alumni honor

Smeal names insurance CEO, real estate holdings president

Executives Alvin H. Clemens and Alex Goldberg, graduates of The Smeal College of Business Administration, will be named Penn State Alumni Fellows, the highest distinction bestowed by the Penn State Alumni Association.

Both men will formally receive their honors in ceremonies to be held Sept. 4 in the Nittany Lion Inn.

Clemens, who earned his bachelor of science degree in 1959, is chair, chief executive officer and majority owner of the Norristown, Pa.-based insurance firm Provident American Corp. Goldberg, a two-time Penn State grad (B.S. '62, MBA '64), is president of the Ford Motor Land Services Corp., Dearborn, Mich.

Clemens, a resident of Villanova, Pa., is a long-time supporter of Penn State and The Smeal College. He established a professorship in entrepreneurship in the college and serves on its Board of Visitors. Earlier, he was a member of college's Alumni Society Board of Directors.

He is a member of the Penn State Board of Trustees, the Founders Society and the Atherton Society. He also is a member of the Mount Nittany Society, which recognizes the highest level of private support for the University. One of the leaders in the U.S. insurance industry, Clemens has led Provident American since 1989. Before assuming his current position, Clemens was owner, chair and CEO of Maine National Life Insurance Co. and Executive International Life. He was founder, president, director and executive committee chair of Academy Insurance Group and the Academy Life Insurance Co., and president and CEO of the Pension Life Insurance Co. of America.

Clemens' extensive knowledge of the insurance industry has resulted in his being named co-chair of the Insurance Task Force of the State of Pennsylvania IMPACCT Commission on Banking and Insurance, and being appointed by Gov. Tom Ridge



ALVIN H. CLEMENS



ALEX GOLDBERG

to the Transition Team for Banking and Insurance in 1994. Clemens is listed in *Who's Who in America* and in *Who's Who in Finance and Industry*.

Born and reared in Altoona, Pa., Goldberg joined Ford's Dearborn Glass Plant in May 1964, shortly after earning his bachelor's degree in chemical engineering and his MBA. Over the intervening years, he held various planning and financial management positions with the automaker both in the United States and Europe. He was controller of Powertrain Operations, Ford Automotive Operations, before being named executive vice president of the Ford Motor Land Services Corp. in 1995, and

president a year later.

The operation he oversees is the real estate arm of Ford Motor and a wholly owned subsidiary of the company. Ford Motor Land Services acquires, constructs, manages, develops and disposes of all the firm's real estate holdings worldwide. Additionally, it is involved with major property developments such as Fairlane, a 2,360-acre planned residential and commercial community in Dearborn.

In addition to his duties at Ford, Goldberg is a board member of the Allegiance Corp., a hospital-physicians health service organization, and a member of the executive committee of the Michigan Jobs Commission. He also is a member of the International Development Research Council and the Corporate Real Estate Leaders Council.

Goldberg has been deeply involved in the founding of what will soon become The Smeal College MBA Affiliated Program Group (APG) and has assisted numerous graduates of the college with their career development plans. In addition, he has spearheaded corporate support for the MBA Minority Visitation Weekend, a capstone element in assuring continued diversity in The Smeal MBA program.

EMS salutes vice president, worldwide engineering manager

Two alumni of the College of Earth and Mineral Sciences will visit University Park on Sept. 5 to be honored as Alumni Fellows: Mark B. Myers, senior vice president for worldwide research and technology at Xerox Corp., and Kermitt W. Walrond, worldwide manager of engineering in Amoco Corp.'s exploration and production sector. They will meet with faculty and students and receive the Alumni Fellow Award at the college's annual Obelisk Dinner at The Nittany Lion Inn.



MARK B. MYERS



KERMITT W. WALROND

The Alumni Fellow Award, sponsored by the Penn State Alumni Association and administered in association with the colleges, is the most prestigious of the association's awards. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

The Alumni Fellow Award, sponsored by the Penn State Alumni Association, and administered in association with the colleges, is the most prestigious of the association's awards. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Myers received his Ph.D. in solid state science from Penn State in 1964. He is now a senior vice president at Xerox and has responsibility for corporate research centers and the company's advanced development. He is a director of Xerox Canada Inc. and SDL Inc., and a member of a six-person corporate committee that sets the company's strategic direction. Myers also plays an active role in scientific policy making and sustains great interest in education issues. He is a member of the National Research Council's Board on Engineering Education and its Board on Science, Technology and Economic Policy, and serves on the NRC Task Force on Engineering Education in the United States and Japan. He is a trustee of his alma mater Earlham College, Illinois, and serves on engineering or telecommunications advisory boards at Cornell, Illinois, Delaware and Stanford Universities. He has held visiting faculty positions at Stanford and Rochester.

Walrond received both M.S. and Ph.D. degrees in petroleum and natural gas engineering from Penn State, and his B.Sc. (Hons.) from the University of Birmingham (UK). He has been with Amoco since 1972 and has served in a range of engineering and management positions in the United States, Trinidad and Norway.

Walrond has been actively involved in science and educational affairs in his native Trinidad. He taught courses in petroleum engineering at the University of the West Indies, and assisted in establishing the Petroleum Engineering School there in 1974. He also served as founding chair of the Trinidad and Tobago Section of the Society of Petroleum Engineers. From 1983-87, Walrond was a member of the Board of Governors of the National Institute of Higher Education, Research, Science and Technology of Trinidad and Tobago. He is a past board member of the Caribbean Industrial Research Institute.

In 1988-89, Walrond served as a distinguished lecturer for the Society of Petroleum Engineers, and in 1991 was elected as a distinguished member of the society.

Myers and Walrond were among the outstanding alumni honored in 1996 as Centennial Fellows of the College of Earth and Mineral Sciences.

Appointments

University Relations writer-editor to focus on development support

Nannette Farrell has joined the Office of University Relations as a writer-editor. Working in cooperation with University Development personnel, she will concentrate on preparing major gift proposals, brochures, articles and other material in support of University-wide fund-raising efforts.

Most recently, Farrell taught courses in business writing and in rhetoric and composition for Penn State's English department, and worked as an office manager for Benefield & Farrell, a State College-based insulation firm, and Charles A. Farrell Real Estate.

A State College native, she received her bachelor's degree in English from Penn State in 1990, followed in 1992 by a master's degree in literature from The American University in Washington, D.C. She also has taught English at The American University and Juniata College, and worked as an art gallery and auction house assistant in Washington, D.C.



NANNETTE FARRELL

Professor named as Inaugural Josephine Berry Weiss chairholder

Guido Ruggiero has been appointed as the inaugural chairholder to the Josephine Berry Weiss Chair in the Humanities and is professor of Renaissance history in the Department of History, effective fall 1997. Ruggiero is internationally known for his extensive publications in the field of Italian Renaissance history and culture and most recently, in the early history of science.

Some of Ruggiero's books include *Binding Passions: Tales of Magic, Marriage, and Power at the End of the Renaissance* (Oxford University Press, 1993); and *The Boundaries of Eros: Sex, Crime and Sexuality in Renaissance Venice, 1290-1500* (Oxford University Press, 1985 and 1989). He has co-edited a series of books with Edward Muir at Johns Hopkins University Press and is general editor of the Oxford University Press series, *Studies in the History of Sexuality*.

Ruggiero has held John Simon Guggenheim, NEH and American Philosophical Society fellowships and grants and has been in residence at the Institute for Advanced Study, Princeton, among other research centers. Before his recent appointment, Ruggiero taught at the University of Miami, the University of Connecticut and the University of Cincinnati.

The Josephine Berry Weiss Chair in the Humanities was established in 1994 through an endowment of \$1.5 million by alumni William L. and Josephine Berry Weiss of Chicago. The purpose of the chair is to provide a distinguished humanist in languages and literatures, philosophy or history in the College of the Liberal Arts.

Ruggiero received a bachelor's degree in 1966 from the University of Colorado, and a master's and doctorate from the University of California, Los Angeles, in 1967 and 1972, respectively.



GUIDO RUGGIERO

Mont Alto campus welcomes new director of academic affairs

Lewis Jillings recently joined Penn State Mont Alto as director of academic affairs. Jings comes to Mont Alto campus from University Park where he served as the special assistant to the vice provost and dean for undergraduate education and as the acting director of Summer Sessions. Before joining Penn State, Jillings taught German at the University of Stirling, Scotland, from 1968 to 1990, and held a number of administrative positions, most recently serving as the head of the Department of German. From 1991 to 1996, Jillings was a visiting member of the faculty in German and medieval studies at the University of California, Davis and at UCLA.

Jillings received his bachelor's and master's degrees from the University of Auckland, New Zealand. He also has completed course work in English, German and history at the University of Basel Switzerland, and gained his doctorate in German from the University of London.



LEWIS JILLINGS

Ben Franklin Technology Center names president, chief executive

Victor F. Russo, director of China Programs, United Technologies Corp. Research Center, has been named president and chief executive officer of Penn State's Ben Franklin Technology Center of Central and Northern Pennsylvania, a subsidiary of the Corporation for Penn State.

He will succeed John E. Werner president and CEO since 1986, who will retire Sept. 30.

As head of the Ben Franklin Technology Center, Russo will be responsible for implementing Pennsylvania's Ben Franklin technology-based partnership program in a 37-county region. The center identifies technical capabilities in universities to partner with companies conducting applied development projects. The center also invests matching funds in the development of new or improved products and processes with start-up, small and medium-size Pennsylvania manufacturing and technology-based companies. The center's current total yearly project portfolio is about \$20 million.

As director of China Programs at United Technologies Research Center, Russo was responsible for initiating and implementing strategic research and development partnerships with Chinese aviation industries and for supporting UTRC's commercial/industrial business units by establishing collaborative research/development agreements with universities and research institutes. He established the first foreign-owned research facility in China in March 1997.

In February 1997, he received United Technologies' Vice Presidents Science and Technology Award



VICTOR F. RUSSO

for his contributions to international programs. A Penn State alumnus, Russo earned his doctorate in physics in 1971. He earned his bachelor's degree, also in physics, at the University of New Hampshire. He graduated from Rensselaer Polytechnic Institute's advanced management program in 1984.

Police officer appointed manager of security and support services

Police Officer Stephen G. Shelow has been appointed manager of security and support services. As manager, Shelow is responsible for the Victim/Witness Advocate Program, the Escort Service, the Residence Hall Security Program, the Security and Traffic Unit and special event planning. One of his first duties will be to oversee the traffic and pedestrian flow to and from Beaver Stadium during the 1997 football season.

Shelow worked as a student officer for University Police Services for five years before becoming a full-time officer in 1988. He received a bachelor of science degree in administration of justice and a master of public administration degree from Penn State.



STEPHEN G. SHELLOW

Faculty member named head of Department of Geosciences

Rudy L. Slingerland has been named head of the Department of Geosciences, succeeding Michael A. Arthur, who is returning to full-time teaching and research after serving as head since 1991.

Slingerland received a B.S. from Dickinson College and both M.S. and Ph.D. in geology from Penn State. He has been a member of the department faculty since 1977, and served as chair of the University's Marine Sciences Program from 1981-83. He is an associate of the Earth System Science Center, where he received the Crary professorship award.

In the Department of Geosciences, Slingerland has taught a wide range of graduate and undergraduate courses, primarily in aspects of sedimentary geology and mathematical modeling. In 1996 he was a co-leader of the college's CAUSE project, an innovative undergraduate course on "Natural Hazards in New Zealand." He is co-author of the text *Simulating Clastic Sedimentary Basins*, published in 1993 by Prentice Hall.

In 1996, Slingerland was awarded the college's Wilson Research Award in recognition of his development of new basin techniques for the analysis of sedimentary basins. In the same year he was honored as the Ludwig Memorial Lecturer in the Department of Oceanography at Old Dominion University. He is active in professional organizations and is currently serving as an associate editor of *Geology* and of the *Journal of Sedimentary Research*, and as a member of the editorial board of *Basin Research*.



RUDY L. SLINGERLAND

Partings

Associate professor retires with emerita rank

Patricia Farrell retired on June 30 as associate professor emerita of leisure studies in the College of Health and Human Development, marking the end of a 30-year career at Penn State.

Farrell joined the recreation and parks program in 1967 and was instrumental in building the University's leisure studies program and in other administrative activities of the University.

She received a bachelor's degree in recreation education from Penn State in 1956 and her master's degree at the University of Minnesota in 1958. She worked as a state recreation specialist and assistant professor for the University of New Hampshire, delivering extension services throughout New England and setting up a curriculum for a recreation and parks undergraduate major. She also worked as a recreation specialist in Detroit, at Northern Illinois University and in Harrisburg.

In 1967, she returned to University Park to study for her doctorate and join the team of recreation and parks faculty. In doing so, she became the third generation in her family to teach at Penn State. She was named associate professor in 1983.

Farrell's research interests are largely in leadership and programming, designing models and techniques for measuring the effectiveness of recreation programs. She has published two books and has been an active member of the professional community. She served as department chair of the recreation and park



PATRICIA FARRELL

management department from 1976 to 1983. She was Penn State's first affirmative action officer, a position she held from 1973 to 1975; from 1984-85, she was chairperson of the Commission for Women; in 1986 she was the first Penn State Administrative Fellow, working in the office of the senior vice president for finance and operations.

Farrell has been recognized for her work within the University and serving the local community. In 1975, she received the McKay Donkin Award for her contributions to the eco-

nomic, physical, mental and social welfare of the University faculty; in 1991, she was awarded the Barash Award for Human Services, recognizing her local public service activities. Among the many local organizations where she has been active are the Centre County Community Foundation, the Central Pennsylvania Festival of the Arts, Art in Public Places, the State College Choral Society, the Pattee Library Advisory Board, the Girl Scouts and the State College Presbyterian Church. The Pennsylvania Recreation and Parks Society honored her for professional contributions in 1990 with the Fred M. Coombs Honor Award.

Her retirement plans include a bicycle trip from the Pacific to the Atlantic, which she began in August and expects to complete this November. She expects to spend more time enjoying her hobbies which include singing with several State College choral groups, golf, skiing and gardening. She also intends to work with Habitat for Humanity.

also holds a Penn State master's degree in metallurgy earned in 1960.

Active in professional and technical organizations throughout his career, he currently serves on the boards of directors of the Industrial Modernization Center of Central Pennsylvania; Associated Bio-Engineers and Consultants; CoreStates Bank West; and is vice chairman of Tri-County Habitat for Humanity.

Werner was honored recently as Entrepreneur of the Year in the Supporter of Entrepreneurship category in the 1997 Central Pennsylvania Entrepreneur of the Year awards program. He also has won ASM International (The Materials Information Society) chapter awards; the Bradley Stoughton Award for outstanding contributions and achievements in metallurgy; and is a Penn State Centennial Fellow of the College of Earth and Mineral Sciences.

Assistant director served for 37 years

R. Donald Adam, assistant director for budget administration in the Office of Budget and Resource Analysis, retired in June after 37 years of service at Penn State.



R. DONALD ADAM

After earning his bachelor's degree in business at Juniata College and serving in the Army for a brief term, Adam arrived at Penn State as an accounting trainee in the Corporate Controller's Office. He has held his current position, in which he reports to the budget officer of the University, since 1981.

As assistant director for budget administration, Adam was responsible for administering the process by which the University's budget is implemented and operated. He monitored and analyzed the budget, including monthly and quarterly budget reports and annual reports for the Board of Trustees. He monitored budget transactions in cooperation with the director of financial officers. Adam also served as the office financial officer, the human resources representative and as a liaison of the budget staff in the design and development of the University's computer-based business information systems.

During his career, Adam assisted in various enhancements to the operations of the Office of Budget and Resource Analysis. In July 1986, he helped design an online system to enter changes to the annual budget electronically rather than manually. He also assisted in the development of the electronic budget amendment form, part of the Integrated Business Information System (IBIS). More recently, Adam helped enhance the salary increase process with computer generated reports.

While at Penn State, Adam served on several IBIS committees, the Continuous Quality Improvement (CQI) committee and the employment compensation sub-committee.

Adam is active in church and Masonic activities. His plans for retirement include traveling and volunteer work.

Technology center president to retire Sept. 30

John E. Werner, president and chief executive officer of Penn State's Ben Franklin Technology Center of Central and Northern Pennsylvania, will retire Sept. 30. He will be succeeded by Victor F. Russo. (Please see the appointment story on page 9.)

Werner joined the University in 1986 to head up the technology center, which serves a 37-county region by identifying technical capabilities in universities to partner with companies conducting applied development projects. The center also invests matching funds in the development of new or improved products and processes.

Previously, Werner was director of research at the Bethlehem Steel Corp., where he had served in positions of increasing responsibility from 1954, the year he earned his bachelor's degree in metallurgy from Penn State. Werner

Libraries Assistant manager ends long University career

Daniel Brooks, assistant manager of Audiovisual Services, has retired from the University Libraries after 33 years of service.

Brooks began at Penn State in 1963 in Food Services at the Hetzel Union Building on the University Park campus. After two years, he moved to Accounting Operations, where he operated a printing press. In 1967, he began his tenure with Audiovisual Services, starting as a driver/dispatcher. Over the years, he also has served as campus coordinator for equipment and services, group leader for daily operations and supervisor of Instructional Support Services.

He is a member of the Association for Educational Communications and Technology and the Consortium of College and University Media Centers. He was the Teamsters Union steward for 10 years beginning in 1978.

Low-fat diet safe for children

By BARBARA HALE
Public Information

Children 4 to 10 years old who cut the amount of fat in their meals and snacks to lower their cholesterol are as well-nourished as those on unmodified diets, a Penn State-led team has shown.

"Our results indicate that you can safely feed a 4- to 10-year-old child a diet in which only 30 percent of the calories come from fat as long as you follow the guidelines on the Food Pyramid," said Jeannie McKenzie, research associate and lead author of the team's recent report.

"Parents can be reassured that, if they follow the Dietary Guidelines for Americans as illustrated by the Food Pyramid, they will not be compromising their child's growth or other nutritional factors to deal with cardiovascular risk through a fat-modified diet," she said.

Most of the children in the study had moderately elevated levels of low-density-lipoprotein (LDL), sometimes called "bad" cholesterol, in their blood. Health professionals often recommend low fat diets for such children to lower their risk of heart disease when they get older by decreasing their blood lipid levels.

The 303 children, all of whom came from families in the suburbs north of Philadelphia, were divided into four groups. One group received face-to-face counseling alone from a registered dietitian and took home print materials for themselves and their parents. Another group received a home-based education program that involved parent and child in 10 weekly "talking book" lessons, follow up paper-and-pencil activities and a manual for parents. The remaining two groups were controls, one group with elevated blood lipids and one without. The controls received no educational program, counseling or printed materials.

Both groups of children who received intervention, either from a dietitian or the home-based education program, reduced their LDL blood levels after three months. However, the group that received home-based education reduced their blood lipid levels faster and showed a greater decline in "bad" cholesterol.

The children in the two intervention groups achieved their lower blood lipid levels by consuming fewer servings of high-fat meats, dairy products, fats/oils and desserts and more servings of lower-fat foods.

"It's important to note that the children did not stop eating meats, dairy products, fats/oils and desserts but rather modified their choices within those food groups by choosing



Luke Jones helps himself to a glass of milk with his nutritious lunch, above. Jeannie McKenzie, research associate, right, has shown that children ages 4 to 10 can safely reduce the fat in their diets without risking poor nutrition. The key, she said is to follow the Food Pyramid.

Photos: Greg Grieco



fewer servings or lower-fat alternatives," McKenzie said.

As a result, despite the lower number of servings from some food groups, the children on modified diets had, on average, adequate intakes of all nutrients, defined as greater than 67 percent of the Recommended Daily Allowance, the same as the kids on the unmodified diets.

"It's possible that some well-meaning parent could become overly restrictive toward their child's diet and compromise the child's nutritional status. But if the adult follows the Food Pyramid guidelines and the child also receives some counseling or education, it's safe to feed a 4- to 10-

year-old child a diet in which 30 percent of the calories come from fat," McKenzie said.

Barbara Shannon, professor of nutrition and dean of the College of Health and Human Development, led the team that designed and tested the interventions and analyzed the children's diets. The team also included Helen Smniclas-Wright, professor of nutrition; Diane Mitchell, research assistant in the Penn State Nutrition Center; Lori Beth Dixon, who earned her doctorate at Penn State while participating on the project; and Andrew Tershakovec, assistant professor of pediatrics at Children's Hospital of Philadelphia.

Liquid crystal fibers are able to protect eyes

The airplane cockpit's head-up display suddenly blazes white and the pilot, blinded by the laser flash, doesn't see that all the optical sensors are fried.

At this point in a futuristic novel, the computer or the inexperienced passenger takes over, but in the real world, an engineer has developed an optical switch that would automatically prevent overload.

"These optical fibers made from liquid crystals will allow low levels of laser light to pass through," said I.C. Khoo, professor of electrical engineering. "But once the intensity reaches a set level, the fibers automatically absorb the light." The liquid crystal acts as a limiting switch, because it absorbs light differently than most light absorbers.

Conventional light limiters, whether for sunglasses, windshields or other uses, only absorb very specific wavelengths—colors—of light and only the percentage of light they were created to absorb. A pair of yellow sunglasses manufactured to absorb 50 percent of the light, will absorb half the green light at dusk and half the green light at noon, independent of the intensity of the light. The liquid crystal fibers absorb all colors of light and react non-linearly to intensity.

"As the intensity of the light increases, the liquid crystal absorbs higher and higher percentages of the light," said Khoo. "As a result, the material actually allows very little light to pass through."

While direct application of liquid crystal fibers in glasses to protect the eyes is a possibility, the more useful application is directly in the optical circuit. A piece of optical fiber placed before the sensors in the telescope or in the remote viewing apparatus for a tank, submarine or aircraft, would automatically prevent sensor burnout and protect human eyes. One of the nice properties of this limiting switch is that it is completely non-electronic and has no moving parts.



Sprucing up

Workers trim the trees in front of the Agricultural Administration Building on the University Park campus. The Office of Physical Plant and other technical service groups are especially busy in the weeks before students return to campus for fall semester. New students begin arriving at University Park on Aug. 23. Classes began Aug. 27, but will see a short recess for Labor Day on Sept. 1. Classes resume Sept. 2.

Photo: Greg Grieco

New Pollock computing lab includes access to Internet 2

When students log on at one of the 217 computers at Penn State's newest computing lab, they'll have access to some of the hottest technology around. The new lab, in the Pollock Undergraduate Library, is Internet 2 capable and may well be the first such student lab in the country. President Graham B. Spanier will officially unveil the Pollock lab at 2 p.m. Tuesday, Sept. 2.

"Penn State students will be among the first users of Internet 2 technology as it evolves over the next several years," said Gary Augustson, executive director for computer and information systems.

The University is leading a group of more than 100 colleges and universities that are partnering with government and industry to overhaul the Internet to support a greater volume and variety of uses. Internet 2 is specifically targeted at supporting the emerging technology needs of students and faculty at leading research universities.

The new lab will include 69 Macin-

tosh computers and 148 Windows NT computers. Four of the Macintosh units and four of the Windows units will be equipped for multimedia creations in two rooms designed for maximum student collaboration on class projects. Ethernet ports throughout the lab will enable students to bring their lap tops to Pollock and plug in to the University's backbone network and to the Internet.

"With the addition of Pollock lab, Penn State students will have access to more than 1,400 computers across campus. They'll have access at the speeds that will support more advanced applications such as video streaming, new forms of data visualization, multi-site computation, telemedicine and interactive collaborative research," Augustson said.

The lab will be staffed by computer consultants 24 hours a day, seven days a week. Student "rovers" also will check laboratory equipment on a regular basis. The cost of the computers will be covered by the student computer fee.

Obituary

Ralph Waterbury Condee, professor of English literature and humanities from 1958 until his retirement in 1980, died July 31 at the age of 81.

Condee earned his bachelor of arts degree in classics from the University of Illinois in 1937; his master's degree from the University of Chicago in 1939; and in 1949 earned his doctoral degree from the University of Illinois.

In 1949, he began working at Penn State in the Department of English Literature. In 1958, he was named a full professor of English literature and humanities. Condee, one of three initiators of the general education program in humanities, served on the committee that helped set up The

School of Arts, which later became the College of Arts and Architecture. He served on the committee that established the University Artists Series and the committee that created the University Scholars program. He retired in 1981 with emeritus rank, but continued to teach Latin in the Department of Classics until 1991.

Memorial contributions may be made to the Ralph and Norma Condee Chamber Music Endowment, Center for the Performing Arts, The Pennsylvania State University, Eisenhower Auditorium, University Park, Pa. 16802; or to Foxdale Community Fund, Foxdale Village, 500 E. Marylyn Ave., State College, Pa. 16801.

Promotions

Staff

Brenda K. Anderson, staff assistant VI in Computer and Information Systems-Administrative Systems.

Richard J. Bartolomea, program coordinator IV in Continuing and Distance Education.

Patricia J. Bergey, staff assistant V in Continuing and Distance Education.

Eileen Bohrer, staff assistant V at Penn State Erie, Behrend College.

Connie Boob, staff assistant VIII in Eberly College of Science.

Donna M. Buchwalter, manager, food operations in Housing and Food Services.

James I. Burket, director of property operations, The Nittany Lion Inn.

PENN STATE



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HUB/Robeson site work begins

By VICKI FONG
Public Information

After more than two years of careful planning by students, staff and faculty, the site is finally moving as workers relocate utilities in preparation for the construction of the new HUB-Robeson Complex at the University Park campus. The actual building construction will begin later this fall, but utilities such as water, sewer and electrical lines must be in place first.

"We are excited about moving ahead and seeing the design become reality," said Craig Millar, associate vice president for student affairs. "Services such as the HUB Eateries will be available during the two years of the construction, although some meeting rooms will not be available at all times. For example, the existing HUB Ballroom, one of the most popular rooms, will close mid-May 1998 through approximately fall semester 1998. Parts of the Ray Lounge, also known as the Fishbowl, will close permanently in May 1998 to become part of the new entrance. We appreciate everyone's patience as we cope with these modifications," he said.

Stan Latta, director of the Office of Unions and Student Activities, said, "A few visitors have asked questions about the site fence and the size of the project. When completed, the new complex will occupy only 15 percent of the total lawn area while providing a contemporary facility for our students, faculty, staff and alumni."

The linear addition will run from the west end of the HUB to the middle of the south wall of the Penn State Bookstore. It will be connected to the



Detour

In August, a fence was installed around the construction area behind the Hetzel Union Building on the University Park campus. The walkway along the back of the HUB and part of the HUB lawn are included in the protected area.

Photo: Greg Grieco

existing building with a four-story atrium. Portions of the existing HUB will be renovated to incorporate the atrium and new Pollock Road entrance. The new Paul Robeson Cultural Center will have a distinctive oval shape at the east end of the addition.

Student organizations and university departments scheduling events for this year, 1998 and 1999 should plan early and contact Betsy Boyer, Office of Student Activities, by calling (814) 865-7973 or visiting 226 HUB.

Ground-floor windows and tables will be available only during fall semester 1997. The current Robeson Cultural Center will be available for events for most of the next two years, and space can be reserved by calling (814) 865-1779.

Currently, most entrances at the HUB and Penn State Bookstore are open, with the exception of the ground-floor doors near the Billiards Room. There is access to the ground-floor doors at the east end around the construction fence.

Strategic planning document to be unveiled Sept. 12

By LISA M. ROSELLINI
Public Information

If there's one thing Rodney Erickson knows, it's that "quality doesn't come easily."

As dean of the Graduate School and vice president for research, Erickson came into his position as dean in 1995 just as the Graduate School was putting together a strategic plan that would guide it through the year 2002. But along with a vision for attracting top-notch graduate students and a goal of making Penn State an even greater research powerhouse, came tough decisions on what to pare down and what to pursue.

See "UPC" on page 2

President set to reveal initiatives

President Graham B. Spanier will take the stage at 4 p.m. Friday, Sept. 12, in Eisenhower Auditorium to again present his annual State of the University Address. The entire University community is encouraged to attend the event, which will provide a glimpse of Penn State's long-range plan. Spanier indicated an announcement of great importance impacting the future of the University will be unveiled. The president said that during his speech he also will "identify four program areas that will be targeted for significant expansion."

This is Spanier's third State of the University Address since becoming president in 1995. The address will be broadcast live via local television downlink to campuses outside of University Park. For information on where to view the president's talk, contact your campus satellite coordinator.

Inside



Ready to Learn

Penn State's public broadcasting television station, WPSX-TV, is reaching out to help parents get the most out of their children's television viewing. For details, please see the story on page 12.



Research

Earth is being bombarded by millions of micrometeorites that may be leftover from the formation of the solar system. For details, please see page 15.

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UPC

continued from page 1

Erickson was not alone.

Across the University, 137 departments and 31 units were involved in the same arduous exercise of deciding how to achieve their goals despite fiscal limitations.

Called everything from a "challenge" to a "bite the bullet" experience, the University strategic planning process has been aimed at creating an understandable set of priorities that focus on quality and helping to meld Penn State's teaching, research and service missions. Guided by the 15-member University Planning Council, the current planning process—which took nearly two years—will culminate on Sept. 12 with a 34-page document that will provide a framework and guidelines for the entire University to follow for the years 1997 to 2002.

Since 1995, the UPC has been helping each unit or campus align its vision with Penn State's overall mission as a land-grant institution. As part of the process, the UPC reviewed strategic plans and budget requests of every major division within the University. The group hopes its forthcoming document, to be presented to the Board of Trustees, can "serve as a blueprint to help all members in the University community see how they might contribute to the greatness that is possible for Penn State."

"This is one of the best things I could possibly have done in the first weeks I was in the post," Erickson said. "It really focused our attention and involved a lot of quick learning and new thinking. We've become a much leaner institution because of this, and that's not to say that I don't worry about how much further we can cut and still support our units and provide quality. But this process does provide us all with an opportunity to sit down and take a very hard look at all we're doing and see if we can do it better."

In the coming five years, Erickson's units will focus on quality and providing leadership in a number of areas, like interdisciplinary graduate programs. Cutting back on administrative tasks within the Graduate School should provide additional funding for support of graduate students, allowing Penn State to attract the best and brightest.

For George McMurtry, associate dean and the person in charge of the College of Engineering's strategic planning endeavor, the continuous nature of the planning process is what he believes benefits his unit.

"We are always revising the plan, looking at our needs and objectives to see if we are meeting them, or how we can better meet them, or whether we need to alter them," McMurtry said. "In the past, we would write long-range plans every five years or so and then put them on a shelf until it was time to write another one. The current strategic planning method forces you to keep those goals and objectives in your mind because you never shelve the plan. It's tedious and it's a struggle, but I think it works."

"This has been a good guiding process because we involved faculty, staff and students and we maintained great flexibility to take advantage of opportunities ... like those that arise with new technologies."

George McMurtry
associate dean, College of Engineering

While units across the University system used a variety of methods to draw up their plans, McMurtry's college created its strategic goals from plans submitted by its 13 departments and from information provided by a number of task forces studying curricular issues within the college.

One particularly tough decision the college wrestled with during its planning process was the merger of two of its departments—a move driven by declining enrollment numbers and national trends. Announced last March, the departments of mechanical engineering and nuclear engineering will merge beginning next summer.

But the College of Engineering had a leg up in the area of mergers. Four years earlier it combined its computer engineering program in the Department of Electrical and Computer Engineering with the computer science program in the Eberly College of Science to form the Department of Computer Science and Engineering.

"This has been a good guiding process because we involved faculty, staff and students and we maintained great flexibility to take advantage of opportunities ... like those that arise with new technologies," McMurtry said.

For the years 1997 to 2002, McMurtry's college will focus on advancing its core disciplinary strengths—a main tenet of the UPC's process to build on Penn State's strongest areas.

"Budget realities here and at institutions across the nation make it necessary to constantly evaluate programs and to reallocate resources to ensure that the needs of our priority initiatives are being met," said John A. Brighton, executive vice president, provost and chair of the UPC. "Institutions only undertake a process like this if they have very high ambitions and a solid vision. The strategic planning we plan to present to the Board of Trustees on Sept. 12 is the result of a top-down and a bottom-up approach that helped build consensus on the broader vision for the University."

Peter Weiler, associate vice president of development and alumni relations, credits Brighton for pushing the institution-wide strategic planning process that now forces units to spell out specific goals, supported by solid data. He also credits Uni-

versity leadership with tying planning to the budgeting process, something that had not previously been done.

"That was really the missing element," Weiler said of the link between budgeting and planning. "If you're planning has financial consequences it is no longer an exercise. It is very real and requires a great deal more thought."

Like others in charge of strategic planning for their units, Weiler too had some difficult choices to make. Unlike some of his counterparts, Weiler oversees an administrative unit, which was asked to give back 1.5 percent of its funding to be redistributed to academic units. The internal shifting of funds from the administrative to the academic side is being done to provide more money for initiatives identified as priorities—such as hiring more faculty and enriching the academic experience for students.

"That gave-back stung," Weiler admitted. "But we are here to support the academic side and the University's mission and to provide the revenue streams for that support."

Finding new sources of revenue is a topic that will be covered by the UPC's upcoming report. It was one of the guiding principles outlined by the UPC when it embarked on its task two years ago. Units University-wide were not only asked to look at areas for cost savings, but to also look for ways to increase the revenue stream. Since 1992, Penn State has made \$36.5 million in internal budget reductions and reallocations.

R. Scott Kretchmar, a UPC member and professor of exercise and sport science, said he was impressed with the care taken in both gathering information and making judgments about priorities.

"The mix of representation at the table, from undergraduate student through staff, faculty and administration, gave us a more complete picture of both the stakeholders and their interests and the constraints we were facing," Kretchmar said. "The constraints ran the gamut from fiscal to political to academic, and I think knowing these gave us a more realistic picture of the options and the possibilities."

Kretchmar said, overall, he is pleased with the final document that will be revealed on Sept. 12, because it is a "good road map" for the University to follow.

"I think the work of everyone involved in the process has been commendable," Brighton said. "It is imperative that we maintain our diligence in the coming years in trying to work around what has become a difficult funding situation. Our vision for the future, where academic quality is our first priority, can only be achieved if we continually assess where we are in the process."

After the UPC report, titled *Academic Excellence: Planning for the 21st Century*, is presented to the Board of Trustees, it will be available on the World Wide Web at URL: <http://www.psu.edu/ur/>. The Intercom will have a story on Sept. 15 summarizing the plan.

Appointments

Office of Physical Plant
welcomes director of operations

Ralph Johnson has assumed the duties of director of operations for the Office of Physical Plant. Johnson has responsibility for the largest division of OPP, which includes central, area, engineering, support and utility services. He has more than 20 years of experience in facilities management, including maintenance and utility operations, construction management, planning and design management, energy management and environmental protection. He has a successful track record of leading large complex operations.

Johnson received his B.S. in electrical engineering at Penn State and holds an M.S. in electrical engineering from the Georgia Institute of Technology. Before assuming this post, Johnson was a U.S. Navy captain,

Civil Engineer Corps, in Pensacola, Fla., where he was the civil engineer for the chief of Naval Education and Training and head of Facilities Management for the Naval Education and Training Commands. He has served as public works officer at various Naval installations including Guantanamo Bay, Cuba, and the Weapons Station in Charleston, S.C., where he managed all facility programs. In addition, he was the deputy at Camp David, the presidential retreat in Maryland, during the Reagan Administration.

His duties over the past 20 years include managing maintenance programs, long-range capital planning and continuous quality improvement initiatives. Johnson has extensive experience in managing utilities production, distribution, maintenance and regulatory compliance. He also is skilled in electrical rate reduction negotiations and partnering with regulatory bodies on compliance issues.

Center for Women Studies
names assistant director

Linda LaSalle has been named assistant director of the Center for Women Studies.

LaSalle earned her Ph.D. in higher education with a graduate certificate in women's studies from Penn State. She was a graduate teaching assistant in the Women's Studies Program here from 1993-96. Her background in educational equity, particularly women's issues, serves her as she continues to teach "Introduction to Women's Studies" through the Division of Continuing and Distance Education. She is also familiar with program evaluation/assessment and grant writing and also has worked as a research assistant in the Women in Science and Engineering Institute.

Construction impacts access to Library entrances and materials

Faculty and students returning to University Park this fall will find many changes in and around Pattee Library. Closed walkways, shifting services and demolition of the connector building that linked East and Central Pattee are just a few of the modifications that have occurred over the summer. The following are important changes that patrons must be aware of before visiting the library this fall.

East Pattee

East Pattee now has its own separate entrance and circulation area, on the ground floor opposite of North Burrows Building. It will maintain the same hours as Central and West Pattee and remain open throughout construction.

The upper sidewalk between East and Central Pattee has been closed for the construction. Pedestrians need to use the lower sidewalk closest to Burrows Building. Please be aware that this walkway may close temporarily on occasion, and an alternate route must be found.

The Music Seminar Room, previously on the fourth floor of East, has relocated to Room 304 East Pattee.

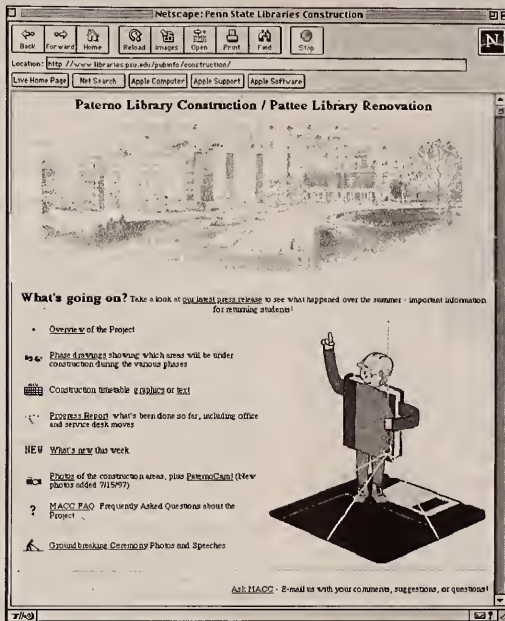
The General Reference Desk in Room 108 East Pattee has been closed. The new Gateway Library is in Room 105, Central Pattee, and will combine the functions of the former Information Desk and the General Reference Desk. Collections in these areas have moved to Room 105, Central Pattee, including related CD-ROMs, indexes and abstracts, and the OCLC/RLIN and Lexis/Nexis terminals.

The new Humanities Library is in Room 108 East Pattee. This library features collections and services in biography, bibliography, classics, film and theater, history, languages, literature, philosophy and religious studies. This includes all collections, automated resources and related CD-ROMs in those areas.

Central Pattee

LIAS workstations have moved to Room 105 Central Pattee across from the main circulation desk. This area also will house selected CD-ROM stations and the new Gateway Library.

The former LIAS Catalog Room (Room 102 Central Pattee) will temporarily house the Dean of Libraries and Human Resources offices.



More information available

For additional information and updates on the Libraries' building project, including press releases, maps, construction timetables and photos of construction work in progress, check the construction Web site at <http://www.libraries.psu.edu/pubinfo/construction/>. Send questions and comments to macc@psu.libraries.psu.edu.

The Documents/Maps section has merged into the new Social Sciences Library with all social science reference materials and a new service desk located in Central Pattee, second floor (formerly the Maps Room).

The Libraries' audiocassette tour has been discontinued for the duration of construction.

West Pattee

The Office for Library Services for People with Disabilities has moved to Room 11A West Pattee, ground floor.

The Libraries' Accounting Office has moved to Room 343, West Pattee.

The Receiving area is now in Room 102, West Pattee with the loading dock off of Curtin Road near the bus shelter.

Access

Handicapped access has become difficult during construction. There are wheelchair-accessible doors at the

entrance to East Pattee and at the entrance to West Pattee, which serves the West and Central wings. Those needing assistance should contact Harold Woodruff, director of Library Services for People with Disabilities, at (814) 865-0284.

Additional bookdrops have been installed at the Pattee Library loading dock along Curtin Road and outside West Pattee along Fraser Road. Other book drop locations include: West Pattee (ground floor entrance), East Pattee (ground floor entrance), Physical Sciences Library (230 Davey), Mathematics Library (109 McAllister), Earth and Mineral Sciences Library (105 Deike), Engineering Library (325 Hammond) and Pollock Library.

Although the construction project will impact virtually every collection and service area at some phase, the Libraries will strive to maintain access to materials and services throughout the duration of construction.

CQI

CONTINUOUS QUALITY IMPROVEMENT

1997-98 University Council on Continuous Quality Improvement

The University Council on Continuous Quality Improvement would like to welcome Robin Anderson, Kenneth Blythe, Louis Geschwindner, Rodney Reed, Margaret Spear and the 1997-98 Administrative Fellows: Terri Dowdy, Gail Gilchrist and Susan Shuman. They join current members of the council: William Anderson Jr., John Brighton, John Cahir, Rodney Erickson, Carol Everett, R. Scott Kretschmar, Betty Roberts, John Romano, James Ryan, Louise Sandmeyer, Gary Schultz, Graham Spanier, Susan Welch, Billie Willis, David Wormley and graduate student representative Poja Dewan.

This marks the sixth year of the University Council on Continuous Quality Improvement. The committee was formed in the fall of 1991 when former President Joab Thomas and Brighton, executive vice president and provost, charged the council to study total quality concepts and their application in colleges and universities. They also asked the University Council on Continuous Quality Improvement to develop strategies for implementing the practice of quality at Penn State. The UCCQI meets three times per semester and is currently chaired by Wormley, dean of the College of Engineering.

The University Council on Continuous Quality Improvement would like to thank William Asbury, Gary Augustson, Peter Jurs and Peter Weiler for their contributions to the committee.

For more information on the UCCQI or Continuous Quality Improvement at Penn State, please contact the Center for Quality & Planning at (814) 863-8721 or via the World Wide Web at <http://www.psu.edu/president/cqi>.

LECTURES

Insect ecologist to give distinguished lecture

A research scientist renowned for her work in tracing the evolutionary path linking how plants develop chemical defenses to how insects counteract those defenses will deliver the 1997 College of Agricultural Sciences Distinguished Lectures.

May R. Berenbaum, professor, head of the Department of Entomology at University of Illinois, Urbana-Champaign, and member of the National Academy of Science, will speak on "Insects, the Six-Legged Chemists" at 3:30 p.m. Sept. 8 in 101 Agricultural Sciences and Industries Building on the University Park campus.

Berenbaum has done groundbreaking research on how animals, insects in particular, are affected by the chemicals used by plants as natural pesticides.

"Insects provide humans with not only the raw materials to be used as drugs, fibers and research tools, but also with conceptual models that inspire novel approaches to the design



MAY R. BERENBAUM

and use of chemical substances," Berenbaum said.

Berenbaum also will deliver a technical lecture on "Cytochrome P450s and Plant/Insect Interactions—Inductions and Deductions" at 10:30 a.m. Sept. 8 in 118 Agricultural Sciences and Industries Building. The lectures are free to the public.

Berenbaum holds a concurrent appointment as a professor of plant biology. She is one of 16 University of Illinois, Urbana-Champaign, faculty appointed to the university's Center for Advanced Study and received an endowed chair from the campus. Berenbaum received her bachelor's degree in biology from Yale University in 1975, graduating summa cum laude. She earned her doctorate in ecology and evolutionary biology from Cornell University in 1980.

Berenbaum was elected as a Fellow of the American Association for the Advancement of Science in 1991, to the National Academy of Sciences in 1994 and to the American Academy of Arts and Sciences in 1996.

Mid-Atlantic climate change workshop planned Sept. 9-11

Penn State will be host for an invited Workshop on Climate Change Impacts in the Mid-Atlantic Region on Sept. 9-11 at The Nittany Lion Inn.

The workshop will focus on the Chesapeake and Delaware bays' watersheds and aims to explore climate change issues within the region. Information from seven regional workshops held across the country this summer will provide input for the National Forum on Climate Change Impacts, scheduled for Nov. 12-13 in Washington, D.C.

The workshop will open with a slide presentation, "Chesapeake: History from a Different Perspective," by Kent Mountford, Chesapeake Bay Program, followed by a slide presentation, "The Susquehanna River Basin," by Brent Yarnal, associate professor of geography at Penn State. Other presentations will include "Variability in Today's Climate in the Mid-Atlantic Region" by Chester Ropelowski, National Oceanographic and Atmospheric Agency; "Our Changing Cli-

mate: Observed and Expected Future Changes in the Region's Climate," by Eric Barron, professor of geosciences and director of Penn State's Earth System Science Center; and "How the News Media Report on Environmental Issues," by a panel of media representatives.

Poster sessions, workshop sessions and working lunches round out the rest of this meeting.

A public lecture is scheduled for 7:30 p.m. Wednesday, Sept. 10. The speaker will be announced.

The workshop is part of the U.S. Global Change Research Program, established in 1989 by President George M. Bush and codified by Congress in the Global Change Research Act of 1990. The U.S. Environmental Protection Agency is the coordinating agency for this workshop.

The workshops are the first step in an ongoing process to conduct regional assessment that will feed information into a national assessment of global change.

Teleconference to detail food safety program updates

Public health officials, food service managers, food handlers and Penn State Cooperative Extension agents can get updates on state and federal food safety programs by watching a satellite teleconference to be broadcast live Monday, Sept. 8, from 1 to 3 p.m.

The teleconference, "National Food Safety Initiatives: A Satellite Update," is sponsored by the College of Agricultural Sciences and will be downloaded at many Penn State Cooperative Extension county offices.

The conference will cover five topics: the National Food Safety Initiative; the Food and Drug Administration 1997 Food Code; an update of the Conference for Food Protection, held in April 1996; the introduction of a Hazard Analysis Critical Control Point (HACCP) training CD-ROM/video from Utah State University; and the upcoming national HACCP education conference, Sept. 21-23 in Denver, Colo., and Oct. 5-7 in Atlanta, Ga.

For the download site closest to you, contact the Penn State Cooperative Extension office in your county. The program will air from 1 to 3 p.m. Sept. 8 on SBS-6, transponder 14. These coordinates are subject to change. For more information on the program, call Claudine Nuemberger at (814) 863-5846.

Philosopher to speak on "The Immorality of Bioethics"

Ivan Illich, world renowned philosopher, will speak on "The Immorality of Bioethics," at 3 p.m. Monday, Sept. 8, in The Nittany Lion Inn Ballroom A, followed by a reception in the Alumni Lobby. The public is invited to attend.

The lecture is concerned with the new discipline of bioethics that has developed since the early 1970s to consider the moral issues related to the use of dialysis machines, artificial organs, psychochemical brain stimulation, organ transplants, in vitro fertilization, genetic engineering and now cloning.

Illich currently holds an appointment as professor of philosophy and science, technology and society at Penn State. His talk is the first in the 1997-98 College of the Liberal Arts Dean's Lecture Series, and is co-sponsored by the Department of Philosophy.

Born in Vienna, Illich studied theology, philosophy, history and natural science. During the 1950s, he was a parish priest in New York City, then vice-rector of the Catholic University of Puerto Rico. He later founded centers for cross-cultural communication in Puerto Rico and Mexico, and since the late 1970s has divided his time between Mexico, the U.S. and Germany. His views became widely known through books he has published since 1970, especially his *Deschooling Society* (1971) and *Tools for Conviviality* (1973).

Harrisburg lecture examines organic food industry

The Sept. 9 installment in the Penn State Harrisburg "Current Issues in Business" lecture series will feature a look at the organic food industry.

The noon to 1 p.m. presentation by John Ritson, vice president and chief financial officer of Walnut Acres Inc., will be at the Penn State Harrisburg Eastgate Center, 1010 N. Seventh St. in Harrisburg.

Walnut Acres in Penns Creek, Pa., is a 500-acre organic farm and organic and natural food processing facility with an annual volume of \$8 million. The company's products are shipped nationwide and to Canada, Mexico and Japan. Ritson's responsibilities include all financial and cost accounting, budgeting, forecasting, cash management and manufacturing operations.

Ritson holds a B.S. in accounting from Penn State and an MBA from Penn State Harrisburg. His discussion will touch on how the organic and natural food industry compares to the food industry as a whole, the organic food industry in Pennsylvania, and the challenges of operating a small company in a growing niche of a very large industry.

The presentation is free to the public. To register, contact the Penn State Harrisburg Eastgate Center at (717) 772-3590.

Conference to explore powder processing

"Fine Powder Processing '97: An International Conference on Fine Grinding, Classification and Agglomeration Science and Technologies" will take place at the Penn State Conference Center Hotel on Sept. 15-17.

The conference will begin Sept. 15 with a keynote address, "Particle Science and Technology: A New Beginning," by M.C. Roco, directorate for engineering, National Science Foundation. On Sept. 16, Brian Kaye will discuss powder characterization during that morning's keynote. The Sept. 17 keynote will feature George A. Schurr, principal consultant, DuPont, presenting "Comminution Technology—One View From Industry."

The session will cover a broad range of topics including grinding systems, control of powder characteristics, powder mixing, agglomeration and powder synthesis. There also will be a tabletop exhibit.

The conference is sponsored by the Particulate Materials Center at Penn State and Hosokawa Micron Powder System and is a continuing and distance education service of the College of Earth and Mineral Sciences.

For more information, contact Robert Cornwell at (814) 863-8735 or fax (814) 863-9704.

More Lectures

Johns Hopkins professor to discuss pancreatic cancer

Dr. John L. Cameron, the Alfred Blalock professor, chairman of surgery and the director of surgical sciences at The Johns Hopkins University School of Medicine, will be the 1997 Waldhausen lecturer at the College of Medicine.

The Waldhausen Lecture, "The Current Management of Pancreatic Cancer," will be given at 4 p.m. Wednesday, Sept. 17, in the Hospital Auditorium at The Hershey Medical Center.

Cameron also holds the positions of surgeon-in-chief at The Johns Hopkins Hospital and professor of surgery at The Johns Hopkins University School of Medicine. He has been with Johns Hopkins since 1962, when he began his residency there, except for the two years he served in the U.S. Army as a research surgeon with the Walter Reed Army Institute of Research. He subsequently was a clinical and research fellow at Johns Hopkins and was then named assistant, and later associate, professor of surgery. In 1984, he was appointed chair of the Department of Surgery.

He also is a consulting surgeon with Sinai Hospital of Baltimore and The Johns Hopkins Medical Center at Bayview.

Lecture helps those "Preparing to Go 'Out'"

Ruth Fassinger of the University of Maryland at College Park will present a lecture on "Preparing to Go 'Out' into the World: Lesbian/Gay/Bisexual Identity Development and the College Experience" at 5 p.m. Thursday, Sept. 18, in the Cultural Lounge in Warnock Commons, North Halls, University Park. The talk, part of the Lecture Series on Lesbian, Gay and Bisexual Lives, also will offer opportunities for questions and discussion.

Fassinger is associate professor of psychology in the Counseling Psychology Department at the University of Maryland and is an affiliate member of the faculty in women's studies. In addition to her research and numerous scholarly publications, Fassinger is a licensed psychologist and maintains a psychotherapy practice specializing in women's and gender issues, particularly vocational issues, sexual identity and sexual abuse and violence. Her most recent article is an invited chapter in the forthcoming *Working with Lesbian, Gay and Bisexual College Students: A Handbook for Administrators* (Greenwood).

The Lecture Series on Lesbian, Gay and Bisexual Lives is a Continuing and Distance Education program sponsored by the Commission for Lesbian, Gay and Bisexual Equity and supported by the Equal Opportunity Planning Committee.

Diversity conference set for Sept. 18-20

More than 350 participants representing higher education, business and organized labor will gather at the Penn State Conference Center Hotel on Sept. 18-20 for the Best Practices in Diversity Conference. Nationally renowned speakers will talk about diversity practices within organizations — those that work, and those that don't.

R. Roosevelt Thomas Jr., founder and president of the American Institute for Managing Diversity and author of three books on diversity in the workplace, will give the keynote address. Participants will get a broad look at the nature of diversity management — its potential and its challenges.

A variety of speakers, including Deval L. Patrick, former assistant attorney general for civil rights at the U.S. Department of Justice; Herbert Z. Wong, an industrial and organizational psychologist and a consultant on multicultural leadership strategies; and Mary-Frances Winters, president of The Winters Group, a national diversity consulting firm, will discuss hiring, retention, promotion practices, training and programming initiatives.

Other invited speakers include:

Reginald Jones, commissioner, Equal Employment Opportunity Commission; Richard Womack, director of civil rights, AFL-CIO; Henry Bienen, president, Northwestern University; Ann Weiser, vice president for HR Donnelly and Sons; W. Sandy Boyd, president emeritus, University of Iowa; V. Robert Hayles, effectiveness/diversity consultant and former vice president for human resources, Pillsbury; Roger Ackerman, CEO, Corning Inc.; Judith Gappa, vice president for human resources, Purdue University; Jill Farrell, assistant vice president, Sprint Business; and more.

Other organizations and institutions selected to present include Michigan State, The Ohio State University, University of Michigan, University of Wisconsin, University of Illinois, Indiana University, University of Kentucky, Penn State, Coming Ashi, PFC Industries, Kodak and Shakti for Children.

The conference is a continuing and distance education service of Penn State's Commission on Racial/Ethnic Diversity and the College of Education in collaboration with the Committee on Institutional Cooperation. For more information, call (800) PSU-TODAY.

Behrend announces 1997-98 speaker series

Penn State Erie, The Behrend College, brings an exciting array of individuals to the Erie community with its 1997-98 Speaker Series, "A New View: Old Questions, New Answers." The series brings together journalists, politicians, scientists and scholars who search for new approaches to society's problems.

Among those who will lecture at the college this year are former Republican National Committee Chairman Haley Barbour, White House journalist Helen Thomas, ABC political commentator George Stephanopoulos and Judge Richard L. Nygaard of the Third Circuit of the U.S. Court of Appeals. Also appearing will be Ivan Van Sertima, professor of African studies at Rutgers University; Adam Werbach, president of the Sierra Club; novelist Charles Johnson; and Art Spiegelman, author of the 1992 Pulitzer Prize-winning Holocaust book *Maus: A Survivor's Tale*. John Frohmayer, former chairman of the National Endowment for the Arts, and Carnegie Mellon research scientist David Touretzky, who opposed Carnegie Mellon's decision to censor sexually explicit images on university computer systems, will debate on the cultural, social, moral and legal implications of the Internet.

"A New View" kicks off Wednesday, Sept. 17, with Nygaard, who will speak on "Politics, Prisons, and Punishment: A Skeptic's View." Nygaard has assisted developing countries such as Albania, Lithuania, Ukraine, Kazakhstan, Azerbaijan and Croatia as they created constitutions, bills of rights and judiciary structure. Nygaard's lecture is co-sponsored by the Penn State-Behrend Religious Affairs Council.

Stephanopoulos will present "Politics: The Art of the Impossible" at 7:30 p.m. Tuesday, Sept. 30. Stephanopoulos, a native of Cleveland, was deputy campaign manager and director of communications for the 1992 Clinton/Gore presidential campaign. He later served as senior adviser to President Clinton, and is now on the faculty of Columbia University.

At 7:30 p.m. Monday, Oct. 20, journalist Mel Elfin, former executive editor of *U.S. News and World Report's* "America's Best Colleges," will address the question, "Does It Still Pay to Go to College?"

Thomas, another nationally-known journalist, will present "Power and the Press" at 7:30 p.m. Wednesday, Oct. 29. Thomas is well-known as the matriarch of the White House press corps and has traveled around the world covering the activities of presidents Nixon, Ford, Carter, Reagan, Bush and Clinton.

At noon Wednesday, Nov. 5, Frohmayer and Touretzky explore "The Internet and the First Amendment."

Werbach will discuss "The Spirit of Volunteerism" at 7:30 p.m. Thursday, Nov. 20. Werbach finds it natural that young people take responsibility for the future, and reaches out to them through music, film, television, fashion and art to bring them the Sierra Club's message of environmental justice. Werbach's lecture will coincide with the college's annual "Thanksgiving Dinner for Six Strangers," which brings faculty and students together for a campus-wide Thanksgiving observance and fellowship.

At 7:30 p.m. Monday, Jan. 19, Johnson, a winner of the National Book Award and an accomplished novelist, screenwriter and book reviewer, will present "The King We Left Behind." Johnson's current novel, *Dreamer*, centers on events in the life of Martin Luther King Jr. between 1966 and 1968 when he brought the freedom movement to the Chicago area. The lecture is part of the college's weekly observance of the life and work of Martin Luther King Jr. and will coincide with a campus-wide observance on King's birthday.

Van Sertima, a literary critic, linguist and anthropologist, will present "Blacks in History: Ancient and Modern" at 7:30 p.m. Tuesday, Feb. 10. Van Sertima's writing centers on the cultural heritage of Africa; he is editor of the *Journal of African Civilizations*.

Barbour, recently at the center of the ongoing debate on campaign finance reform, will present "An Insider's View of Washington" at 7:30 p.m. Wednesday, March 18.

The series will conclude with a presentation by Spiegelman, co-founder and editor of *Raw*, a magazine filled with avant-garde comics and graphics. He will discuss "Making Maus" at 7:30 p.m. Monday, April 6.

All presentations are free to the public. The events will take place in the Reed Union Building on the Penn State Behrend campus. The series is sponsored by the Penn State Behrend Office of Student Affairs and is partially funded by the John Nesbit Rees and Sarah Henne Rees Foundation and the PNC Corp.

An interpreter for deaf and hard-of-hearing audience members will be visible at each lecture, and listening devices are available upon advance request from the Office of Student Activities, (814) 898-6171. All lectures also are broadcast live on AM 1450 WPSE, Penn State Behrend's commercial radio station.

For more information about the Speaker Series, call (814) 898-6000.

Faculty/Staff Alerts

Fulbright deadline near

Completed applications for student Fulbright Fellowships should be delivered to the Undergraduate Fellowships Office, 312 Willard Building, by 5 p.m. Sept. 10. For more information call (814) 863-8199.

Fall drama classes

The College of Arts and Architecture's School of Theatre Arts is holding registration for its fall drama classes for children. The classes, to be held at the Paul Robeson Cultural Center on the University Park campus, begin weekly meetings on Thursday, Sept. 11. MetaStages Theatre Centre, an outreach program, offers classes after school and on Saturday for different age groups grades K-12.

Children receive performance training from professionals in acting, voice, movement, mime and masks as they rehearse and perform plays from various countries and cultures. Classes culminate with an afternoon of final performances.

Class size is strictly limited. For more information contact Joann Leonard, MetaStages director, at (814) 867-8390.

Saturday art classes

The Saturday Morning Art School of the College of Arts and Architecture's School of Visual Arts is currently accepting advance registration for the 1997 fall program on the University Park campus. Students age 6-18 are eligible for the program, and students enrolling in the early registration period are assigned to age-related programs. Beginning sessions open Saturday, Sept. 27, in the Patterson Building Gallery and continue each Saturday through Dec. 6 in the Visual Arts Building, Patterson Building and the Arts Cottage.

To register for the fall courses, call (814) 865-6570, Monday through Friday, between 9 a.m. and 4 p.m. Courses are available on a first-come, first-served basis. Since the courses fill rapidly, advance registration is recommended.

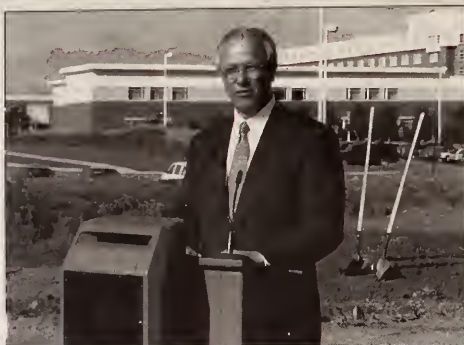
Health Matters Programs

To register for the following program offerings, please contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ **Yoga Series: Beginning and intermediate/advanced sections**
Two beginner sections and one intermediate/advanced session are offered. Cost is \$35 per session, reimbursable to HMO participants taking each section for the first time. These sessions will be followed by a second, seven-week series (sections 3, 4 and 5), beginning Nov. 4 and 5.

Section 1: Beginner: Tuesdays, Sept. 16-Oct. 28; 11 a.m.-noon, Paul Robeson Cultural Center Auditorium

Section 2: Intermediate/Advanced: Tuesdays, Sept. 16-Oct. 28; noon-1 p.m., Paul Robeson Cultural Center Auditorium



Ground broken

William C. Morlok, a partner in PSRP Developers Inc., addressed onlookers at the official ground-breaking ceremony for Penn State's Research Park Phase 2 on Aug. 29. Morlok said he expects construction of the first building, 101 Innovation Blvd., to begin this month. Six companies have already signed pre-lease agreements to occupy the privately financed, mixed-use building, owned by PSRP Developers Inc.

Photo: Greg Gneco

Section 3: Beginner: Wednesdays, Sept. 17-Oct. 29; noon-1 p.m., 106 Fisher Hall

■ Tai Chi Series

This class, in the Frizzell Room of Eisenhower Chapel, will focus on a basic set of forms, called the "five animal frolics." Cost: \$70.

Section 1: Mondays/Wednesdays, Sept. 15-Oct. 29; noon-1 p.m.

Section 2: Mondays/Wednesdays, Nov. 3-Dec. 17; noon-1 p.m.

■ Weight Watchers AT WORK

Participants may register at any time during a series. Cost for 10-week program: \$115 (lifetime members, \$105). Members of the HealthAmerica HMO may be reimbursed.

Section 1: Tuesdays, noon-1 p.m., 520 Rider Building.

Section 2: Wednesdays, noon-1 p.m., Paul Robeson Cultural Center auditorium.

■ Body Alignment

This program focuses on the use of the movement awareness method to tone and refine muscles while helping participants develop concentration, control, precision and centering. Meets from noon-1 p.m. in 110 Henderson Building on Tuesdays and Wednesdays, Sept. 17, Oct. 15 and Nov. 19 will meet in 106 Fisher Hall. Cost: \$50.

Academic advising to be discussed

"The 1997-1998 University Undergraduate Advising Handbook: What's New?" will be the topic for discussion at a brown bag lunch hosted by the Division of Undergraduate Studies (DUS) on Tuesday, Sept. 16, from noon to 1 p.m. in 305 HUB on the University Park campus. Laura Brown and Diane Greenfield, handbook developers, will lead the discussion.

This academic advising resource is updated each year as a result of changes in University policies and procedures and in response to suggestions from handbook users. It is on sale at the Penn State bookstore and also is available on the Web at <http://www.psu.edu/dus/unadbk/unadbk.html>. All faculty and staff interested in undergraduate advising may attend the brown bag lunch. Those who own the handbook should bring it with them. For more information, contact Brown in 205 Grange Building at (814) 865-7576 or e-mail lsb7@psu.edu.

Operators get new name

When you call (814) 865-4700 for assistance from a Penn State operator, you will be greeted with "Penn State Call Center" instead of "Penn State operator." The change is part of the University's continuing efforts to provide enhanced operator-assisted services. As a result, the Office of Telecommunications will be reorganizing current operator services into an updated Penn State Call Center offering augmented calling services.

Even though the name and greeting have changed, the new center will continue to provide the following services:

- General University information;
- Phone listings for faculty and staff;
- Phone listings for University Park students;
- University Park departmental listings;
- Operator assistance;
- Call completion;
- Audio conferencing;
- Videoconferencing reservations;
- and
- Message service.

For more information contact Susan Taylor, Call Center assistant manager, at (814) 865-0236 or Penny Confer, Call Center supervisor, at (814) 865-6881.

Recreational Sports Office establishes Web site

The Recreational Sports Office has recently established the new Web site, www.psu.edu/RcsSports, which provides information about recreational sports, intramurals, fitness programs and club sports. Any current student, faculty or staff member may participate in the programs. Interested individuals can find information such as fall fitness schedules, club links and more on the new Web site.

The Recreational Sports Office also can be e-mailed at RecSports@psu.edu and the Fitness Office can be e-mailed at Fitness@psu.edu.

Journals now online

The more than 40 scholarly journals published by Johns Hopkins University Press are now available online at the Penn State locations thanks to the University Libraries' subscription to Project Muse. Now, faculty, staff and students can have unrestricted access to Project Muse journals without having to worry about anything but accessing the Internet. The journals, focusing in the areas of humanities, social sciences and mathematics, can be found on the Libraries' Web site at <http://www.libraries.psu.edu/pubinfo/collect.html>.

Project Muse, an initiative that enables worldwide access to these scholarly journals via the World Wide Web, serves as a model for making scholarship widely available within university communities by using online technology to produce affordable electronic journals. Project Muse was launched two years ago by Hopkins Press, John Hopkins University's Eisenhower Library, and its academic computing center, with a \$400,000 grant from the Andrew W. Mellon Foundation. Recently, the National Endowment for the Humanities awarded another \$320,000 to the project.

Hot off the presses

A revised *Staff Employee Handbook* should be hitting campus mailboxes soon. Intended to be a ready reference for information most frequently sought by employees, the handbook also reflects changes in University policies, services and facilities which have occurred since its last publication. An electronic version of the handbook will be available later this month via the Office of Human Resources Web site at <http://www.ohr.psu.edu> and will be updated regularly.

Comments about the handbook would be appreciated and should be directed to Angela Johnson, employee relations specialist, at (814) 865-1412 or by e-mail at amj109@psu.edu.

Need to check your GPA at 10 p.m.? Try CAAIS

By ALAN JANESCH
Public Information

It's 10 p.m. You're an undergraduate, and suddenly you get an irresistible urge to find out how many more science and English courses you need to graduate, look at course descriptions and class schedules for the coming semester and check your cumulative grade-point average. The problem is, it's too late to call your adviser or the folks in Shields Building. What are you going to do?

The answer is, you're going to fire up the computer, get online, and pull up the Web page for CAAIS, a computerized advising service launched recently by a collaborative team with participants from across the University.

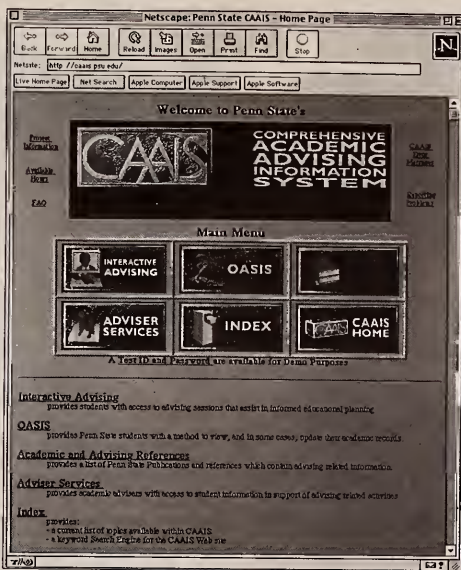
CAAIS, pronounced "kaz" by the members of the project team that put the service together, stands for Comprehensive Academic Advising and Information System. It's a highly reliable one-stop source of information that's key to good advising and education planning.

Gary Hile, associate registrar and "coach" of the CAAIS project team, said the primary goal of CAAIS is to support and enhance the advising process and the relationship between the students and their advisers.

"CAAIS makes an awful lot of information directly available to students," Hile said. "By putting all this information at the students' fingertips, we believe the students and their advisers will be able to spend more time actually discussing substantial issues that have long-range impact, rather than spending a lot of time explaining certain procedures or searching for information about a course to take in the upcoming semester."

One of the most high-tech and useful parts of CAAIS is its interactive advising module, which currently allows students to check key academic records, calculate grade-point averages and examine the implications of their grades, and determine what kind of semester average they'll need to earn to get a cumulative grade-point average at a certain level. First-year students can use interactive advising to get early results of freshman testing, see what courses they've tested out of and make an early decision on what to schedule for their first semester.

The interactive advising module is under construction and not all its functions are currently active. But when it's complete, students also will be able to use interactive advising to identify which majors are available at each location, perhaps



At your fingertips

CAAIS, the University's online advising service, is available at <http://caais.psu.edu/>.

check the syllabus of a course they're considering and possibly even take online aptitude tests that would help them decide which major to choose.

Also, they'll be able to run a "degree audit," which will show them what required courses they still need to take. And they'll be able to determine the impact of using "late course drop," which allows students to drop a course without a penalty as late as the 12th week of the semester.

Depending on the student input, the system might warn that using late drop on a particular course would reduce the credit load and jeopardize student aid, use up the last of the allowed late course drop credits, or jeopardize a student-athlete's ability to compete.

Already, students like the system and the flexibility it provides. Jaime Desmond, president of the Undergraduate Student Government, likes the program so much she's asked the CAAIS team to make a presentation on the system to USC in the fall.

Kirk T. Teufel, a recent graduate and active-duty Air Force second lieutenant whose first assignment is keeping him at University Park, sang the praises of CAAIS's many options.

"What used to take a day's worth of legwork now only takes a few minutes of time on my laptop," he said. "I have been able to check my schedule, update my address information, and check my transcript, all without having to leave my computer."

Sponsors of the CAAIS project are John Cahir, vice provost and dean for undergraduate education, and John Romano, vice provost and dean for enrollment management and administration.

Enrollment Management, Undergraduate Education and Computer and Information Services put together a design team consisting of Ken Blythe, director of the Office of Administrative Systems; Gene Melander, associate vice provost; Jim Wager, University registrar; and Eric White, director of the Division of Undergraduate Studies.

"CAAIS is still in the early stages of its development, but already it's helping us make fundamental and critical changes in the ways the University conducts some of its important business with students and faculty," Romano said.

"We're just beginning to imagine and implement all the ways the sys-

tem will help us reach out to all members of the University community."

The interactive advising module is probably the most whiz-bang part of CAAIS. But the complete system includes several other extremely useful subsystems. These are:

- **OASIS**, which allows students to look at class schedules, grades and unofficial transcripts, and update their addresses. OASIS, which stands for Open Access to Student Information Systems, also allows students to check the status of loans and other student financial information (*Intercom*, Oct. 27, 1994).

- **Academic and advising references**, which provides links to sources of information in areas such as advising procedures, University programs and courses, career assistance, continuing and distance education, administrative offices, and policies and rules.

- **An index**, which provides links to a CAAIS list of topics and includes keyword search engines for CAAIS topics and a broader range of Penn State topics.

Another subsystem is an advisers services module, which provides pertinent information on students' academic activities and achievements to advisers only. Faculty members can obtain this information only if they're assigned as an adviser within their college or some other academic unit such as the Division of Undergraduate Studies or the University Scholars Program.

CAAIS works by accessing and displaying data from ISIS, the Integrated Student Information System. Security and confidentiality are given a high priority. A student can only access the information by entering a valid user ID and password, and the information is displayed on the screen without indicating the student's name — in case the student is using CAAIS in a computer lab or other public space where somebody might be looking over his shoulder.

The system warns students to exit CAAIS and close the World Wide Web browser before leaving the computer. But even if students leave their information displayed on the screen, inquisitive passersby won't be able to link the information with a particular student, since names or identifying numbers are not displayed.

Hile said the team's primary goals in developing CAAIS were to give students and faculty expanded access to information that's crucial to good advising, and to make sure that the information in the system goes only to the people it should.

ARTS & ENTERTAINMENT

AT PENN STATE



On stage

Ballet Folklorico de Mexico performs at 8 p.m. Tuesday, Sept. 23, in Eisenhower Auditorium on the University Park campus. For tickets, call (814) 863-0255 or (800) 278-7849.

Student recital

Eleven undergraduates who played outstanding programs at the end of the spring semester will perform in the School of Music jury recognition recital on Wednesday, Sept. 10, at 8 p.m. in the College of Arts and Architecture's School of Music Recital Hall on the University Park campus.

Performing will be:

■ **Charles Ricotta**, sophomore percussion major and a candidate for the music education program;

■ **Gary Yaple**, a senior percussion performance major in the bachelor of music program;

■ **Courtney Mundy**, a senior piano major in the music education program;

■ **Linda Hoffman**, a junior piano major in the music education program;

■ **Robert Lancia**, a junior trumpet major and a candidate for the music education program;

■ **Sally Wilson**, an exchange student from Australia;

■ **Holly Anderson**, a senior voice major in the music education program;

■ **Oriyama Linebarger**, a junior in the bachelor of music program;

■ **Stephanie Strite**, a violinist who is a senior in the bachelor of arts program;

■ **Amanda Haas**, a sophomore

trombone major and a candidate for the music education program; and

■ **Melissa Schwartzmeyer**, a sophomore clarinet major and a candidate for the music education program.

The performers are students of **Dan Armstrong**, **Steven Smith**, **Marylene Dosse**, **John Daniel**, **Richard Kennedy**, **Susan Boardman**, **Norman Spivey**, **Donald Hopkins**, **Mark Lusk** and **Smith Toulson** of the School of Music faculty.

The recital is free to the public.

Bach's Lunch

Seven voice jury honor students will sing at the first Bach's Lunch concert of the fall semester at 12:10 p.m. Thursday, Sept. 11, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The 20-minute free concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The students are voice music majors in the School of Music who performed outstanding programs at the end of the spring semester. They are **Jennifer Sutton**, **Kristen Lunetta**, **Annie Burridge**, **Samantha Woods**, **Michael Rider**, **Amy Grant** and **Barbara Hess**. They will sing selections by **Mozart**, **Donaudy**, **Pergolesi**, **Copland**, **Rome**, **Schubert** and **Bemberg**.

Audience members may take bag

lunches to eat after the concert in the Roy and Agnes Wilkinson Lounge, located in the Eisenhower Chapel. Coffee and tea will be provided.

Indian flute concert

A classical Indian flute concert will be presented by **Pandit Hari Prasad Chaurasia** at 8 p.m. Friday, Sept. 12, in Schwab Auditorium on the University Park campus. Chaurasia will perform on a bamboo flute and will be accompanied on tabla, an Indian drum, by **Shyam Kaane**. Chaurasia has received several national honors in India including the highest honor bestowed on an artist, **Padma Bushan**. The performance at Schwab will be his first performance in State College. The concert is sponsored by the Festival of India Committee and co-sponsored by the Graduate Student Association. Admission is free.

Mont Alto events

Penn State Mont Alto announced its 1997-1998 season of Cultural Events and the How to Hoot and Toot, Howl and Scowl, Plunk and Plunk and Call It Art! Series. A schedule follows. All Cultural Events at Penn State Mont Alto are free to the public. For information, call the Campus Life Office at (717) 749-6156 or the Library at (717) 749-6040.

Cultural Events Series

■ **Tap Team Two & Company Inc.** (dance/mime), 8 p.m. Sept. 17, Multipurpose Room, Multipurpose Activities Center

■ **Dominic Caudious** (guitarist), 8 p.m. Sept. 23, Auditorium, General Studies Building

■ **David DeLong** (acoustic guitar), noon Oct. 7, Millstream Cafe

■ **Jack Winfield Ross** (nature photographer/speaker), "Embraces of the Sun," 8 p.m. Oct. 13, Auditorium, General Studies Building, and "Tricks of the Trade," noon Oct. 14, Game Room, Conklin Hall

■ **The Blue Ridge Theatre Guild**, a play titled "Social Security," 7:30 p.m. Oct. 28, in the Multipurpose Room, Multipurpose Activities Center

■ **Jaffna** (music ensemble), 8 p.m. Nov. 5, Auditorium, General Studies Building

■ **Shindana Cooper** (storyteller), 8 p.m. Jan. 19, Auditorium, General Studies Building

■ **K.J. James** (blues artist), 9 p.m. Jan. 20, Game Room, Conklin Hall

■ **The Dixie Power Trio** (jazz), 8 p.m. Jan. 21, Auditorium, General Studies Building

■ **Alfonzo Blackwell** (jazz saxophone), 8 p.m. Feb. 10, Auditorium, General Studies Building

■ **Richard Fields** (classical pianist), 8 p.m. Feb. 24, Auditorium, General Studies Building

■ **The Blue Ridge Theatre Guild** presents the play "Out of Order," 7:30 p.m. April 21, in Multipurpose Room, Multipurpose Activities Center

■ **Paul Kellinger** (modern dance), 7:30 p.m. Sept. 10, Multipurpose

Room, Multipurpose Activities Center

■ **Andrew Sussman and Morgan Jenkins Jones** (music ensemble), 7:30 p.m. Nov. 11, Auditorium, General Studies Building

■ **Gabor Boritt** (lecture/commentary), "Quoting Mr. Lincoln," 4-5 p.m. Feb. 5, Library

■ **The Asante Players** will present the play "In Living Color" 7:30 p.m. March 24, Auditorium General Studies Building

■ **Jean Strike**, "Beauty Around Us" (watercolors and oils), Sept. 8-Oct. 17, Library

■ **Go Figure!** figurative art by Theresa Ganley, Rebecca Harris and Marti Yoger, Oct. 27-Dec. 5, Library

■ **Wendy Allen**, "An Increased Devotion: Portraits of Lincoln," Jan. 19-Feb. 27, Library

■ **Andrea Theisson**, "Reverse to Up: Refuge and Renewal, New Work from Vermont Mountains," March 16-May 1, Library

Marine Band performance

On Wednesday, Oct. 8, the United States Marine Band ("The President's Own") returns to Penn State for an evening performance at Eisenhower Auditorium. The concert begins at 7:30 p.m., and is free to the public. Tickets may be ordered by filling out the coupon from recent issues of the *Centre Daily Times*, *Blue/White Illustrated* or *Town and Gown*, by calling the Penn State Blue Band office at (814) 865-3982 or by visiting the Eisenhower Auditorium Box Office.

Mixed media images

The HUB's Browning Gallery features artist **Marilyn Collins**, through Oct. 25. Collins' mixed-media images are centered around the vessel, as body. Through the process of creating containers or vessels, she is able to see, share and shed her anxieties and pain, which are visually reflected in her art through shape, texture and movement.

Collins received a master of fine arts degree in sculpture/printmaking from Penn State. She is currently an assistant professor of art at Kent State University, Ohio.

Sculptor displays works

Kern Building's flat and tall cases will feature Mike George's original, hand-crafted wooden sculptures between Sept. 23 and Oct. 19.

George, a graduate of the Art Institute of Pittsburgh, is a self-taught wood sculptor. The award-winning designer's bovine fantasies, folk art jointed hands and other works of whimsy bring new perspectives to familiar images and modern-day icons.

The artist's work is featured in prominent galleries throughout the country, including the Museum of American Folk Art, New York City; the Smithsonian Institute, Washington D.C.; and the Butler Museum of American Art, Youngstown, Ohio.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, September 5

"State Fair," Center for the Performing Arts, 8 p.m. Sept. 5, and 2 p.m. Sept. 7, Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Sunday, September 7

Evelynn Ellis, faculty recital, 3 p.m., Recital Hall.

Mark Lusk, trombone, faculty recital, 8 p.m., Recital Hall.

Wednesday, September 10

Jury Recognition Recital, 8 p.m., Recital Hall.

Thursday, September 11

Bach's Lunch, seven voice jury honor students, 12:10 p.m., Eisenhower Chapel.

Friday, September 12

"Kris Kehr Trio," concert, noon, Kern Graduate Commons.

Robin Seymour, gallery talk on "Views of Pennsylvania Towns," 2 p.m., Christofers Lobby.

Indian flute concert with Pandit Hari Prasad Chaurasia, flute, and Shyam Kaane, drum, 8 p.m., Schwab Auditorium.

Monday, September 15

Jane Miller, organ, faculty recital, 8 p.m., Recital Hall.

Tuesday, September 16

"The 1997-1998 University Undergraduate Advising Handbook: What's New?" Division of Undergraduate Studies brown bag lunch, noon, 305 HUB.

Thursday, September 18

"The Tale of Tessa," 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Daved Harris on "Photographs at Work, Photographing Architecture from 1930 to Present," 8 p.m., Palmer Lipson Auditorium.

SEMINARS

Friday, September 5

Adam Rome on "The Bulldozer in the Countryside: Suburban Sprawl and Environmental Activism," 4 p.m., 206 Walker.

Saturday, September 6

Steven Herb and Jackie Esposito on "The Nittany Lion from the Inside Out," 9 a.m., The Nittany Lion Inn.

Monday, September 8

"National Food Safety Initiatives: A Satellite Update," teleconference, 1 to 3 p.m., SSS-6, transponder 14.

Hans-Peter Nollert on "How Arbitrary are Explanations of Quasimodal Modes?" 2 p.m., 339 Davey Laboratory.

Ivan Ilich on "The Immorality of Bioethics," 3 p.m., The Nittany Lion Inn Ballroom.

May R. Berenbaum on "Insects, the Six-Legged Chemists," 3:30 p.m., 101 Agricultural Sciences and Industries Building.

Tuesday, September 9

Ivan Ilich on "The History of Institutions that Fit People into Technology: Schools, Hospitals, Prisons, etc." 6:30 p.m., 112 Walker.

Eric Schaffer on "Dietary Influences on Experimental Murine Carcinogenesis," 4 p.m., 110 Warik Laboratory.

Wednesday, September 10

Ginny Thornburgh on "Welcoming the Gifts of Persons with Disabilities in your Congregations," 7:30 p.m., Assembly Room, HUB.



Mark your calendar

Pomerium, an American vocal ensemble with director Alexander Blachly, revives a capella singing of the Renaissance at 8 p.m. Saturday, Sept. 20, in Schwab Auditorium on the University Park campus. For tickets, call (814) 863-0255 or (800) 278-7849.

Richard Schulz on "The Health Effects of Caregiving: Findings from the Cardiovascular Health Study," 4 p.m., The Living Center, 110 Henderson.

Thursday, September 11

Chris Bettle, physics seminar topic to be announced, 11:30 a.m., 339 Davey Laboratory.

Friday, September 12

Rosalyn Millman on "Highways, Byways and Politics in America: The Fabrication of U.S. Transportation Policy," 4 p.m., 206 Walker.

Tuesday, September 16

Janet King on "Adaptation to Low Zinc Intakes: What Are the Limits?" 4 p.m., 110 Warik Laboratory.

Peng Chang on "Flight Performance of Hummingbirds: Capacities, Constraints and Trade-Offs," 4 p.m., 8 Mueller Laboratory.

Ivan Ilich on "The History of Institutions that Fit People into Technology: Schools, Hospitals, Prisons, etc." 6:30 p.m., 112 Walker.

Thursday, September 18

Colleen Johnson on "Adaptive Strategies in Late Life," 4 p.m., The Living Center, 110 Henderson.

Ruth Fassinger on "Preparing to Go 'Out into the World: Lesbian/Gay/Bisexual Identity Development and the College Experience," 5 p.m., Cultural Lounge, Warnock Commons.

CONFERENCES

Tuesday, September 9

"Climate Change Impacts in the Mid-Atlantic Region," The Nittany Lion Inn, through Sept. 11.

Monday, September 15

"Fine Powder Processing '97: An International Conference on Fine Grinding Classification and Agglomeration Sys-

temics and Technologies," Penn State Conference Center Hotel, through Sept. 17.

Thursday, September 18

Best Practices in Diversity Conference, Penn State Conference Center Hotel, through Sept. 20.

EXHIBITS

HUB Art Alley Panels

Kyle Eaddy on "Ninja Warriors," Sept. 9 through Nov. 2.

HUB Browsing Gallery

Scriptures by Marilyn Collins, through Oct. 31.

HUB Family Gallery

"Beijing and Beyond: Women Artists Respond to the World Conference on Women," Sept. 16 through Oct. 25.

Kern Panels

Photos by Candace Leonard, "Focusing: Twentieth-Century Spanish Playwrights," Sept. 11 through Oct. 20.

Palmer Museum of Art

School of Visual Arts Faculty Exhibition, through Sept. 14.

"Our Town: A Selection of Town Views from the Pennsylvania Prints," through Sept. 28.

"Photographs by the Sleght Circle, 1900-1930," Sept. 9 through Dec. 7.

Zoller Gallery

School of Visual Arts Sculpture Exhibition, through Sept. 30.

■ Reflects an international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Book Shelf

H.L. Barnes, distinguished professor emeritus of geochemistry, is editor of the *Third Edition of Geochemistry of Hydrothermal Ore Deposits*, published by John Wiley and Sons. The 972-page book contains 17 chapters and an extended appendix and has an accompanying floppy disk of geochemical data. Previous editions have established this book as the primary reference and teaching text for the study of hydrothermal mineral deposits.

After writing and refining seven years of poetry, Alan Michael Parker, assistant professor of English and creative writing at Penn State Erie, Behrend College, produced his first book of poetry titled *Days Like Prose*. The book was published by Alef Books.

So far, *Days Like Prose*, in some form or another, has been a finalist in nearly 25 competitions. Previously, Parker co-edited *The Routledge Anthology of Cross-Gendered Verse*, a volume of poems written in a gender other than the poet's own. The anthology was featured as the cover article of the April 1996 *Boston Book Review*. Parker also will serve as the North American editor for another Routledge book titled *Who's Who in the Twentieth Century Poetry*.

This summer, Parker served as poet-in-residence at the Chautauqua Institution.

Raja V. Ramani, professor and head of the Department of Mineral Engineering, is editor of the *Proceedings of the 6th International Mine Ventilation Congress*, published by the Society for Mining, Metallurgy and Exploration. The congress convened in Pittsburgh in May, sponsored by the Mine Safety and Health Administration, the National Institute for Occupational Safety and Health, the National Mining Association, the United Mine Workers of America, the United Steel Workers of America and the Society for Mining, Metallurgy and Exploration. The book's 86 papers provide the latest information and practice in ventilation and contaminant monitoring and control, with contributions from industry, government and academia representing 20 countries.

Ralph J. Sabock, retired associate professor of physical education, recently published the fifth edition of his book *Coaching: A Realistic Perspective*. The book, published by Collegiate Press, is widely used as a textbook in colleges and universities throughout the country. In addition, it has been translated to Japanese and has been adopted by Japan Women's College of Physical Education in Tokyo.

The primary purpose of this book is to help prepare students for careers in coaching by identifying factors inherent in the profession. There is a heavy emphasis on ethics, roles of a coach, relationship with parents, organization in season and out, recruiting and coaches' families.

The first edition was published in 1973.

Student stresses importance of giving blood

By ANNEMARIE MOUNTZ
Public Information

The start of the new academic year is a chance for a new beginning. That's especially true this year for Lori Zeringue, a graduate student in biochemistry at University Park.

About this time last year, Zeringue began having problems with severe nosebleeds and bruising. She was soon diagnosed with severe aplastic anemia, a condition in which bone marrow stops producing red and white blood cells and platelets.

"The only true cure for aplastic anemia is a bone marrow transplant, which I had," Zeringue said. "But from the time I was diagnosed until the transplant started working, I was completely dependent upon transfusions from anonymous donors."

Zeringue received two to three pints of blood and three to five transfusions of platelets a week for about six weeks before her bone marrow transplant. Many of those transfusions were done in Centre County, using blood from the Johnstown region of the American Red Cross.

On-campus blood drives at University Park account for more than 40 percent of all blood donations for the Centre Communities Chapter, the second-largest Red Cross chapter in the Johnstown region. That's not surprising, since the University is Centre County's largest employer and also is responsible for bringing tens of thousands of students into the region.

"Nearly 5,800 blood donations were made at University Park in fiscal 1996-97," said Connie Schroeder, Red Cross blood services campus coordinator. "Overall, the chapter received 13,958 donations, so it was a



Well again

Lori Zeringue, a graduate student in biochemistry at University Park, credits anonymous blood donors for helping to save her life. Zeringue, who was diagnosed with aplastic anemia about a year ago, had frequent blood transfusions until she could undergo a bone marrow transplant.

good year. Penn State is very competitive and does quite well compared to other Big Ten universities."

Last September, Zeringue went home to New Orleans to receive bone marrow from her brother. The transplant was successful, but it took time before she began producing her own blood cells.

"I still had to receive transfusions for about four to six weeks after the transplant before I was transfusion independent," she said.

Throughout the ordeal, Zeringue received support from many people.

"It was overwhelming. Family, friends, even people I hardly knew — and people I never met before — came in and donated blood for me. Even if they didn't match my type, their blood replaced the units I had used. Because of anonymous blood donors, I was kept alive until I could receive my bone marrow transplant and it began working."

Zeringue is well again, and has returned to her graduate work at University Park. She also has gotten involved with the Centre Communities Chapter of the American Red

Blood drive schedule

Blood drives scheduled for September are:

- Sept. 9, Atherton, 1 to 7 p.m.
- Sept. 10, Pollock, 1 to 7 p.m.
- Sept. 11, Fisher, 1 to 7 p.m.
- Sept. 15, Wagner, 10 a.m. to 4 p.m.
- Sept. 16, HUB, 10 a.m. to 4 p.m.
- Sept. 17, HUB, 10 a.m. to 4 p.m.

Cross, spreading the word about the great need for blood and helping to organize blood drives on campus.

"Before I got sick I thought most blood went to accident victims and surgery patients. But that's not true," Zeringue said. "Most of it goes to people who need it on a daily basis for transfusions, like leukemia patients and aplastic anemia patients. That's where the major drain on the blood supply comes from."

Blood donation at University Park hits its peak during the annual Penn State-Michigan State Blood Drive Challenge in November.

"About a third of what we'll get in the whole year is donated in those two weeks," Schroeder said. Penn State, which won the contest the last two years in a row, donated 1,935 pints of blood in last year's challenge. This year's challenge drive is Nov. 10-21.

"There are plenty of opportunities to give before that, however," Schroeder said. "And because people can donate blood every 56 days, those who give now will be eligible to give again during the challenge."

Committee searching for honorary degree candidates

President Graham B. Spanier has appointed a Committee on Honorary Degrees and asked its members to develop a list of eminent scholars, performers, artists and practitioners in academic fields, or individuals who have made particularly distinguished contributions to society in areas such as public service, or business and government, for the purpose of awarding a Penn State Honorary Degree.

The committee is chaired by Rodney A. Erickson, vice president for research and dean of the Graduate School. Committee members include:

- Gordon P. Garmire, Evan Pugh professor of astronomy and astrophysics;
- Grace Hampton, executive assistant to the provost for the development of the arts;
- Carol Herrmann, senior vice president for administration, ex officio;
- Thomas Hollander, Alumni Association representative;
- Lynn S. Liben, professor of psychology;
- John M. Lilley, provost and dean, Penn State Erie, Behrend College;

- Suzanne Marcum, graduate student;
- Gerald E. McClean, Evan Pugh professor of health and human development;
- Charles L. Merkle, professor of mechanical engineering;
- Aradna Saxena, undergraduate student;
- Barbara M. Shannon, dean, College of Health and Human Development; and
- Elizabeth Sussman, professor of biobehavioral health, human development and nursing.

The awarding of honorary degrees from Penn State is a relatively new and select process. Guidelines for the award were developed and approved by the University's Board of Trustees. In 1997, John T. Biggers, artist, and William C. Richardson, president and chief executive officer of the W. K. Kellogg Foundation, received honorary degrees.

The committee would like assistance in putting together a list of nominees for a Penn State honorary degree. The guidelines for eligibility for an honorary degree from Penn State are:

- Sustained achievement and distinction of national or international significance in an activity consonant with the mission of the University.
- The nomination of individuals whose achievements and distinction have not been similarly recognized by a number of other institutions is encouraged.
- Alumni of the University are eligible.
- People serving as administrators, faculty or staff of Penn State are not eligible, nor are people currently serving as members of the Board of Trustees, as officials of the Commonwealth of Pennsylvania and its subordinate units or members of the Legislature, during their terms of office; nor are spouses or immediate family members of the previously mentioned groups.

Nominations should include the name, a short biography if one is readily available and a statement explaining why your nominee is worthy of recognition. Send your nominations to Carol Herrmann, 201 Old Main, University Park, by Friday, Sept. 26.

Obituaries

Harry L. Delozier, painter, Office of Physical Plant, from Jan. 10, 1966, until his retirement June 30, 1987; died July 1 at the age of 71.

Maude A. Gill, secretary, College of Engineering, from Sept. 1, 1951, until her retirement Jan. 1, 1981; died June 26. She was 79.

Catherine A. Hallinan, janitress, Office of the Physical Plant, from Feb. 1, 1943, until her retirement July 1, 1966; died Aug. 12 at the age of 89.

Betty M. Heinbach, extension agent, College of Agricultural Sciences, from Nov. 16, 1954, until her retirement Feb. 1, 1986; died Aug. 15. She was 67.

Elizabeth J. Hubler, food service worker, Housing and Food Services, from Oct. 9, 1967, until her retirement Nov. 1, 1983; died July 3 at the age of 64.

Joseph W. Hunt, professor of mining, College of Earth and Mineral Sciences, from Oct. 1, 1943, until his retirement July 1, 1973; died June 27. He was 89.

William C. Kelly, senior extension agent, College of Agricultural Sciences, from April 1, 1961, until his death July 3. He was 63.

Sibyl L. Severance, associate professor of English at Penn State Delaware County, from Sept. 1, 1980, until her retirement July 1, 1996; died June 6. She was 65.

Nevin G. Shook, offset duplicator operator/repairer, Corporate Controller's Office, from Jan. 11, 1972, until his retirement Feb. 1, 1982; died June 28 at the age of 81.

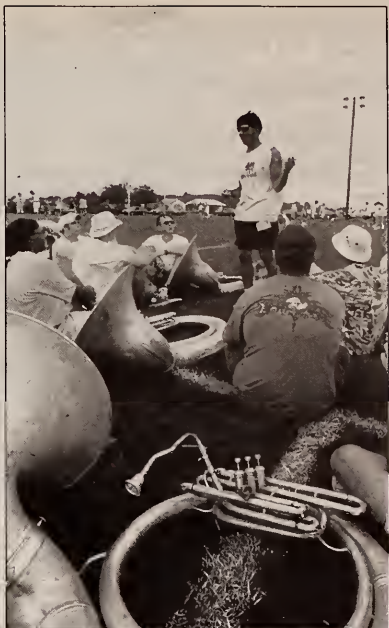
Robert L. Weber, associate professor of physics, Eberly College of Science, from Sept. 1, 1937, until his retirement July 1, 1977; died May 21. He was 84.

Walter R. Wisor, maintenance worker, Housing and Food Services, from Feb. 22, 1966, until his retirement Jan. 1, 1992; died July 4. He was 69.

Ora Grissinger, maid, Housing and Food Services, from Sept. 1, 1953, until her retirement May 13, 1966; died July 27. She was 91.

Harold J. O'Brien, associate dean for the Commonwealth Campuses, College of the Liberal Arts, from Sept. 1, 1947, until his retirement Jan. 1, 1976; died July 16. He was 84.

Michael A. Sollami, maintenance worker, utility, Penn State Worthington Scranton, from May 1, 1973, until his retirement Dec. 31, 1983; died July 5 at the age of 77.



Tough competition

Aaron Teranova, a junior and member of the Blue Band, offers encouragement to new students seeking a place in the band during recent tryouts. The Blue Band is scheduled to perform its first football halftime show of the fall Saturday, Sept. 6, at Beaver Stadium on the University Park campus.

Photo: Greg Grieco

Penn College lauded in Middle States review

The Commission on Higher Education of the Middle States Association of Colleges and Schools has commended Pennsylvania College of Technology in its recent review of the college. The Middle States Association of Colleges and Schools is the primary organization which accredits Penn College and numerous other institutions of higher learning in the region.

The "highlights" of operation cited in the report from the accrediting commission include:

- Penn College has moved from an institution awarding two-year associate degrees to one also awarding four-year baccalaureate degrees.

- Teaching and learning programs are in place to enhance the quality of the educational program.

- The addition of student recreation facilities and student housing has contributed to the development of a stronger sense of community at the institution.

- Progress has been made to improve minority recruitment and retention.

- A distance learning system is in place to better serve the surrounding community.

A separate review of the fiscal operations of Penn College was equally positive. The report states, "Pennsylvania College of Technology enjoys exceptionally good financial management and is in strong financial condition."

New at Penn State

Penn College, Harcum team up to offer dental hygiene degree

Thanks to an agreement between a private, liberal arts college and Penn College in Williamsport, advanced education in dental hygiene is now available in the Philadelphia area.

Starting this fall, Pennsylvania College of Technology will offer its bachelor of science degree in dental hygiene at Harcum College in Bryn Mawr.

Although Harcum and a number of other Philadelphia area institutions provide associate degrees in dental hygiene, Penn College is one of only two colleges in the state which offers a bachelor's degree in dental hygiene; the other is in Pittsburgh.

The Penn College programming will be delivered at Harcum via a variety of distance education modes as well as face-to-face instruction. Among the distance education possibilities are the Internet, video-based technology and video-conferencing technology.

In addition, the new offering may serve associate degree dental hygiene graduates from Philadelphia Community College, Montgomery County Community College and Northampton County Community College.

The majority of these graduates are now practicing dental hygienists who want to further their education, but are "location-bound." This agreement, coupled with distance education technologies, will now bring the education to them.

Also through distance education, Penn College's bachelor of science degree in dental hygiene is offered in the state's Northeast at Luzerne County Community College in Nanticoke.

For more information on Penn College's programming at Harcum College, contact Penn College's admissions office at (800) 367-9222 or its dental hygiene office at (717) 326-3761, ext. 4500.

News in Brief

Women's Club Reception

The Penn State University Women's Club will welcome newcomers and returning members at its Fall Reception at 7:30 p.m. Tuesday, Sept. 16, The Nittany Inn Ballroom on the University Park campus.

Women who are Penn State faculty, staff or spouses of faculty or staff members may get acquainted with the members.

Women can register for one or more of approximately 17 interest groups within the club, including sports activities (bowling, golf, hiking); fun with foods (special lunches and dinners); antique study; book exchanges, reviews and discussions; bridge; foreign languages; knitting and needle craft; mothers' groups; professional women; and special excursions.

Newly added interest groups include gardening, walking for fun and cross country skiing. Service groups include housing referral, reading for the visually handicapped and the volunteer center of Centre County. In addition to providing interest and service groups, the UWC has established a loan fund for returning adult students at University Park.

■ Service

WPSX-TV helps get children Ready to Learn

Public broadcasting shows parents how to get the most from educational programs

By MEREDITH McKEON
Public Information

The masters of children's education are assembled: Big Bird, Mr. Rogers, Barney and Bill Nye the Science Guy. Enter the new players: parents and child care givers.

With the Ready to Learn Service, WPSX-TV, part of Penn State's public broadcasting system, is reaching out far beyond the extent of its signal by instructing parents, educators and child care givers on ways to use television as a constructive tool for children.

The hours children spend watching television merit the need for adults to get involved. By age 18, a child will have spent 9,000 more hours watching television than in school. While we might like to think those hours have been spent harmlessly, the reality is that a child will have witnessed 18,000 murders and 350,000 commercial messages on television by the time he or she reaches adulthood. With this in mind, Penn State has partnered with public broadcasting to involve adults in making the most of a child's television viewing hours.

As a way to reach parents, educators and caregivers, the Ready to Learn Service distributes pamphlets, free educational books and other outreach materials and holds station-sponsored training workshops in the communities of northern and central Pennsylvania. The workshops guide adults in choosing appropriate children's programming and maximizing its benefits. For example, parents may be instructed on ways to incorporate what their children viewed on television into hands-on activities,

"It's about knowing when to turn the television off and run with what you've learned from the programs."

Sandra Koelle
WPSX-TV Ready to Learn coordinator

ties, such as reading or making puppet shows, which they can do after they turn off the television.

"It's about knowing when to turn the television off and run with what you've learned from the programs," Sandra Koelle, Ready to Learn coordinator at WPSX-TV said.

Funded by public television viewers, the Corporation for Public Broadcasting and Apple Computers Inc., the Ready to Learn Service is based on the PBS children's series, including shows such as "Sesame Street," "Mr. Rogers' Neighborhood" and "Bill Nye the Science Guy," which are broadcast on WPSX-TV every weekday. Sandwiched between the programs, WPSX inserts specially produced educational messages designed to encourage children to be independent learners and creative thinkers.

"Even the best children's series requires adult participation to help children get the most from what they watch," Koelle said.

The Ready to Learn Service also encourages early literacy by offering First Book, a program to distribute free books to children who may not otherwise have them. Some of the children's books distributed may relate to themes from the television programs

and others may provide entirely different topics. Parents are encouraged to use these books to read out loud to their children.

On a national level, the Ready to Learn Service puts Penn State and public television in a key position to contribute to the main initiative of the National Educational Goals which says that by the year 2000 all American children will begin school ready to learn. With the Ready to Learn Service, regional children will be equipped with the social and cognitive skills necessary to make every day at school a productive and beneficial one.

Since the program was launched in October 1996, 120 stations have become Ready to Learn stations. More than 100 parents and child care professionals have participated in workshops and more than 1,500 children have received free books to begin their personal reading collections. Because WPSX reaches 220,000 viewers in 29 counties, Ready to Learn provides Penn State with the ability to reach a large number of children.

As the program enters its second year, Koelle envisions that it will expand by incorporating libraries and including more PBS programs. But as the Ready to Learn Service grows, the goal remains the same—reaching more children. With all the free education from the Ready to Learn Service, soon children should be able to tell you a lot more than "how to get to Sesame Street."

For more information about training programs and complimentary materials and books, contact WPSX-TV, the Ready to Learn Service, 203 Wagner Building, University Park, Pa 16802 at (814) 865-3333 or visit the Web site: <http://wpsx.psu.edu/>.

Penn Staters

The National Science Foundation has awarded \$63,668 to the Center for Bioremediation and Detoxification for the purchase of a new high-performance liquid chromatography (HPLC) system, used to perform soil, water and other types of analyses. This equipment will provide maximum versatility and time-cost effectiveness. J.M. Ballag, professor of soil microbiology, Hector Flores, professor of plant pathology, and W.D. Burgos, assistant professor of civil and environmental engineering, are involved in projects ranging from the microbial transformation of pesticides, to the application of plant material for clean up of soil and water, and characterization of root exudates.

Gerard J. Brault, Edwin Erle Sparks professor of French and medieval studies, was honored at a reception in May at the College of Arms in London, England, for his two-volume *Rolls of Arms of Edward I* (1272-1307). The 1,075-page work was published by the Boydell Press for the Society of Antiquaries of London. In recent reviews the book has been labeled "the most important work ever written on medieval heraldry."

Javier Gomez-Calderone, associate professor in mathematics, received the 1997 New Kensington Campus Excellence in Teaching Award. This annual award is based on student nominations and a review by a committee composed of students and faculty members who received the award in previous years. Gomez-Calderone won this award previously in 1989.

Katherine H. Freeman, associate professor of geosciences, has been selected to receive the Peter Schenck Award of the European Association of Organic Geo-

chemists. The award is presented every other year to a scientist under 35 years of age who has made a major contribution to organic geochemistry. Freeman was recognized for "her outstanding research on compound specific isotopic geochemistry."

Lawrence J. Hutchinson, professor of veterinary science, was one of 200 leaders in agricultural and natural resources named by The Fraternity of Alpha Zeta to its first Centennial Honor Roll. The honored leaders ranged from a middle school teacher to a Nobel Prize winner.

Alpha Zeta, the nation's oldest professional honorary society recognizing leadership, scholarship and service among people in agriculture and natural resources, was founded at The Ohio State University in 1897. It has 100,000 members and 67 student chapters.

Ronald Land, associate professor in engineering, received the New Kensington Campus Citation for Exceptional Service for 1996-1997. Land was recognized for his extensive service to the campus and University, including the development of a B.S. in electromechanical engineering technology program with instruction on-site at Sony Corp. in New Stanton.

Robert Lima, professor of Spanish and comparative literature, and Fellow of the Institute for the Arts and Humanistic Studies, has been elected an Académico de Número in the Academia Norteamericana de la Lengua Española and a Miembro Correspondiente of the Real Academia Española, the most prestigious academies of Hispanic letters in the United States and Spain.

Both honors recognize Lima as an internationally renowned critic, biographer, translator, bibliographer and speaker in the disciplines of modern Spanish and Spanish-American literatures.

Craig Ransner of the School of Behavioral Sciences and Education at Penn State Harrisburg has been nominated to serve on a validation and standard-setting panel for several new teacher licensure assessments which have been developed by the Educational Testing Service. Ransner, a member of the panel which will review the proposed tests for relevance to the job of a beginning music teacher in Pennsylvania; recommend to the Department of Education a required passing standard; and review the test for fairness to all potential examinee groups.

Dr. Herbert Reynolds, chief of medicine for the Penn State Geisinger Health System, The Milton S. Hershey Medical Center, and the J. Lloyd Huck professor of medicine in the College of Medicine, has been named to *Town & Country* magazine's list of "The Best Medical Specialists in North America." The list has been adapted exclusively by *Town & Country* from the book *The Best Doctors in America*.

This year's list named physicians who specialize in treating the 10 biggest killers of Americans ages 45 to 64 and recognized Reynolds for his expertise in treating pulmonary diseases.

The "Foods and Nutrition Leader Guide" video developed by Jan Scholl, associate professor of agricultural and extension education, and Tom Cherry, videographer/editor in agricultural information services, was selected for the national 4-H curriculum.



Hands-on experience

Chad Straub, a hotel, restaurant and institutional management major, puts the finishing touches on a super salad in instructor Anne Quinn Corr's nutrition class.

Photo: Greg Grieco

Private Giving

College of Engineering names leadership for campaign committee

James E. Marley, chair man of the board of AMP Inc., has agreed to lead a team of alumni volunteers to help the College of Engineering in the University's upcoming capital campaign.

The goal of the coming campaign is to increase endowment support for the students and faculty at Penn State and the College of Engineering, focusing on undergraduate scholarships, graduate fellowships and named faculty positions. A specific dollar goal and timetable for the campaign have not yet been established.

The Engineering Campaign Committee includes 18 engineers and business leaders from 15 geographical regions across the country. The group will assist the college in securing major gift support during the campaign.

Since joining AMP Inc. in 1963, Marley has held a succession of positions of increasing responsibility, including being elected vice president in 1970, president and director in 1986, president and chief operating officer in 1990 and chairman of the board in 1993. AMP Inc. is the world's leading producer of electrical/electronic connection devices. Founded in 1941, the com-

pany employs more than 40,000 people in 44 countries and exceeded \$5 billion in sales in 1996.

In addition to his Penn State aerospace engineering degree, Marley earned a master's degree in mechanical engineering in 1963 from Drexel University. He is a member of the Institute of Electrical and Electronics Engineers, the American Society of Mechanical Engineers and the American Management Association. He also serves as director of Armstrong World Industries Inc. in Lancaster and the Harco Corp. in Camp Hill.

Marley was chosen an Outstanding Engineering Alumnus in 1985, and was honored as a Distinguished Alumnus in 1994.

A Pennsylvania native, Marley sits on the boards of directors for numerous organizations.

Marley and his wife Judy, also a Penn State graduate, have generously supported the College of Engineering in the past. They established the James and Judy Marley Graduate Fellowship in Engineering in 1994 and provided support for the College of Engineering's Building Renovation Fund during the last campaign.

Estate gifts add more than \$400,000 to undergraduate scholarship funds

Two recent estate gifts totaling more than \$400,000 are supporting the endowment for undergraduate scholarships at Penn State.

The first gift, for more than \$332,000, comes from the estate of Elizabeth Gaekle in memory of her late husband, Penn State alumnus William Henry Gaekle. The Elizabeth S. and William Henry Gaekle Alumni Memorial Scholarship will be awarded to academically talented, first-year undergraduate students with financial need.

William Gaekle earned a bachelor's degree from the New Jersey Institute of Technology and a master's degree in counselor education from Penn State's College of Education in 1963. He was a colonel in the U.S. military, and died in 1971. Elizabeth Gaekle died in 1994. They resided in Philadelphia.

The second gift, for more than \$70,000, comes from the estate of late Penn State alumnus C. Melville Barr Jr. and adds to three undergraduate scholarships named in his memory.

The gift is equally distributed among an Alumni Memorial Scholarship, a National Merit Scholarship and a Renaissance Scholarship.

Although the three scholarships weren't named after Barr until 1985, his estate has contributed to the overall endowment for these three types of general scholarships, given to numerous Penn State undergraduates each year since his death in 1983.

This latest funding toward the scholarships resulted from Penn State's one-half remainder interest in a Seattle, Wash., condominium representing the life estate in his residence that Barr had passed on to his brother, Kenneth. In accordance with C. Melville Barr Jr.'s estate plans, the condominium was sold following Kenneth Barr's death in 1996, with the other half remainder interest going to the Scottish Rite Foundation of Washington.

C. Melville Barr Jr. earned a bachelor's degree in civil engineering in 1919. A widower, he resided in Seattle at the time of his death. He had no children.

Parting

Associate professor retires

Stanley J. Nowak Jr., associate professor of Spanish, humanities and social science at Penn State Lehigh Valley, has retired with emeritus rank after 30 years of service. Nowak served at two Penn State campuses — Penn State Opontz (now Abington College) from 1967 to 1980, and the Allentown (Lehigh Valley) campus, from 1980 to 1997.

Nowak taught sociology, comparative literature, humanities, English composition and Spanish language and literature. He has developed and presented his intercultural community-building course at undergraduate and graduate levels to students, faculty and staff, and facilitated the course for a variety of businesses and community organizations.

Growing up in a bi-cultural and bilingual home as a first-generation Cuban-American, Nowak's first language is Spanish.



STANLEY J. NOWAK JR.

He has participated in outreach programs that partner with community groups, including the Hispanic Business Council, the Private Industry Council of Lehigh Valley Inc., Case Guadalupe, Pennsylvania Literacy Corp., the United Way and ALERT Partnership.

Nowak received a Ph.D. in comparative literature with a minor in Spanish, Italian

and Portuguese; a master's degree in Spanish with a minor in Italian and Portuguese; a bachelor's degree in English with a minor in Spanish from Penn State; and an associate degree in English from Quinnipiac College in Connecticut.

Nowak's plans include conducting research on the results of the intercultural community-building courses he has conducted, with a focus on the first-year experience for college students.

Awards

Assistant professors receive career development awards

Ying Liu and Xiaoxing Xi, both assistant professors of physics, have received Faculty Career Development Awards from the National Science Foundation. The award provides four years of funding to stimulate the early development of academic careers in science and engineering and to support the critical roles played by faculty members in integrating research and education.

Liu is an experimentalist in condensed-matter physics whose research centers on superconductivity and mesoscopic physics. Liu has been doing research in areas related to two-dimensional quantum phase transitions in ultrathin films, quantum tunneling of vortices, novel perovskite superconductors and disordered mesoscopic superconductors. The central theme of his research is to study the behavior of superconductors under extreme experimental conditions. The award will support his research on a project titled "Mesoscopic Physics of Disordered Superconductors: An Arena for Research and Education."

Xi's research concerns the physics underlying the



YING LIU



XIAOXING XI

electronic and photonic applications of metal-oxide thin films, which are used in a variety of devices including superconductor, ferroelectric, nonlinear-optical, electro-optical, and magnetic materials. Xi plans to use this award to support his work on a project titled "Low Loss, Tunable Ferroelectric Thin Films by Pulsed Laser Deposition."

Russian theme dinner creators honored

Penn State Beaver's Housing and Food Service managers were honored for the outstanding special event/theme dinner by the National Association of College and University Food Services at its 39th annual conference.

Recognized were Manager Carl Miller and Assistant Manager Heidi Leiden. Both developed the idea of a Russian theme dinner called "A Winter Evening in Russia."

The dinner was first place for residence hall dining special event/theme dinners in the 24th annual Loyal E. Horton Dining Award contest.

The dining awards contest is a highly competitive peer recognition program that draws submissions from member schools throughout the nation and Canada. This year's contest attracted more than 175 entries. The contest is designed to promote sound nutrition and creativity in the areas of presentation, menu variety and merchandising.



CARL MILLER



HEIDI LEIDEN

Miller has been the manager of Housing and Food Services at Penn State Beaver for 15 years. Leiden has served as assistant manager at Penn State Beaver for five years.

Great Valley faculty cited for outstanding work

Three Penn State Great Valley faculty members were recognized for their outstanding contributions to the graduate center for 1996-97. The Outstanding Teacher award went to John McGinnis, assistant professor of finance; Outstanding Research, John Sosik, assistant professor of management and organization; and Outstanding Service, Cheryl Beverly, assistant professor of special education.

McGinnis has been a Great Valley faculty member since 1994. He earned his MBA from Indiana University and his Ph.D. from Penn State. Before arriving at Great Valley, he served on the administrative staff at the University of Notre Dame and taught corporate finance and investments at the University of Delaware. He is affiliated with the Foundation for Economic Education and has presented work at the Financial Management Association.

Sosik received his B.S. in accounting from King's

College in Wilkes-Barre, his MBA from Wilkes College and his Ph.D. in management from SUNY-Binghamton. He joined the Great Valley faculty in 1995 and has concentrated his research on transformational and charismatic leadership. His research on the use of humor in the workplace has received national media attention.

Beverly earned her bachelor's degree in education from the University of South Florida, her master's degree in special education from the University of Georgia and her Ph.D. from the University of Florida. The focus of her service both professionally and personally has been on issues of human diversity. Her service includes coordinator of special education, Special Education Student Advisory Board, chairperson of the Penn State Great Valley Diversity Council and secretary of the Faculty Senate.

Statistical association honors professor

Gutti J. Babu, professor of statistics, has been named a Fellow of the American Statistical Association, a singular honor within the association that recognizes an individual's outstanding professional contribution and leadership in statistical science. Babu was recognized for his outstanding contribution to statistical science, his work on asymptotic theory and for his promotion of interdisciplinary activities.

Babu, a faculty member in the Department of Statistics since 1985, has broad research interests in both statistics and probability, including their applications to problems in biomedical research, astronomy and astrophysics.

His work during the early 1980s resulted in establishing the superiority of the bootstrap approximation for a wide class of statistical tests and laid the foundation for subsequent work on second-order approximations of this method. Since the late 1980s, he has led efforts to bring advanced statistical methods to serve the research needs of observational astronomy.

He and Eric D. Feigelson, professor of astronomy and astrophysics, recently coauthored the interdisciplinary book *Astrostatistics* and coedited the second edition of their book *Statistical Challenges in Modern Astronomy*. Babu also has been a leader in organizing several cross-disciplinary conferences on statistics and astronomy.

Smeal faculty named to marketing research list

Four faculty members of The Smeal College of Business Administration were recently named to a list of "best marketing researchers" published by *Marketing Educator*. Included were Paul F. Anderson, professor of marketing; Gary L. Lilien, research director of the Institute for the Study of Business Markets (ISBM) and distinguished research professor of management science; Jerry C. Olson, chair, Department of Marketing and holder of the Earl P. Strong Executive Education Professorship in marketing; and David T. Wilson, managing director of ISBM and holder of the Alvin H. Clemens Professorship of Entrepreneurial studies.

The list was compiled by John Fraedrich of Southern Illinois University and appeared in the summer 1997 edition of *Marketing Educator*.

Fraedrich first studied the publication productivity and impact of marketing researchers at the rank of associate professor and above. He then surveyed marketers and asked them to identify the top three researchers in 17 such specialty fields as advertising, consumer behavior and industrial marketing. Additional cross-checking was done and a final list of 108 individuals resulted.

Anderson pursued studies in industrial marketing, marketing strategy and the interface among marketing, finance and accounting; Lilien's research emphases are in the areas of business-to-business marketing and computer applications in marketing; Olson investigates the psychological aspects of consumer behavior and research methods; while Wilson's focus is on relationship management, business marketing and new product/service marketing.

According to Fraedrich, Pennsylvania was one of the top six states for marketing researchers. Others were Illinois, Indiana, New York, Ohio and Wisconsin.

Intensive stuttering program aims at coping, not curing

BY A'NDREA ELYSE MESSER
Public Information

"Move forward and communicate" might be the slogan for participants in the University's intensive stuttering program now in its second year.

"Stuttering is a chronic syndrome and tends to be cyclical," Gordon W. Blood, professor and head of the Department of Communication Disorders, said. "I tell clients, they stuttered before, they stutter now, and chances are slim they will be cured of stuttering, but that they can get better."

The stutterers who come to University Park for four weeks of intensive speech therapy are adults ranging from early 20s to late middle age, and include an accountant, an AIDS researcher, a businessman and college students. All have had prior speech therapy for stuttering.

Last year five people were in the program and this year there are six. When the project's four years are complete, 20 to 25 stutterers, 40 to 45 graduate students and 8 to 12 undergraduates will have benefited. Undergraduates and master's degree students learn to plan and carry out therapy, and doctoral students learn to supervise.

"Last year one participant stuttered on 15 out of 100 words, while another stuttered on 97 out of 100 words," said Blood. "Sometimes someone stuttered only mildly in the clinic, but on the telephone or at a cash register, their stuttering becomes much worse."

For this reason the program includes mornings of work in the clinic and afternoons in the community, walking around campus, going to the mall or shopping downtown.

"When they go back home, they can refer back to real situations and use the same methods," said Blood.

Stuttering is an interruption in the forward flow



Gordon W. Blood, left, professor and head of the Department of Communication Disorders, talks with stuttering program participant Matt Cypher and graduate students Michelle Metzger and Rebecca Bria about joining Toastmasters as a way to overcome fears of speaking in public.

Photo: Greg Cricco

of speech including repetitions, prolongations or hesitations. Blood advocates that stutterers first develop an awareness of their stuttering.

"Stutterers develop physical tricks like a head jerk or finger snapping to stop a repetition or a block," Blood said. "Soon these techniques don't work and new movements are added. This does not move communications forward, so we want clients to recognize the behaviors and get rid of them."

The second step is to accept that they will stutter, even to advertise the fact.

One of the participants' exercises is to walk around campus, stop someone and tell them that they stutter.

"People come back amazed and say, 'she didn't care' or 'he has a friend or cousin who stutters,'" said Blood. "We also teach them the difference between passive, aggressive and assertive behavior in response to rude comments. Assertive responses are encouraged."

After awareness and

acceptance come the skills and behaviors to make speaking easier, if not perfect. The aim is to change how a person stutters so that communication moves forward and is not blocked for seconds or minutes at a time.

The stutter is broken down into before, during and after segments with suggested approaches for each.

"Stutterers can predict when they are going to stutter," said Blood. "They see the signposts — a specific letter sound or group of words — and they know they will have trouble."

Using preparatory skills, including rehearsal and prevoicing, they can try to confront the problem. The stutterers are taught to go back and cancel out the stutter to get past the stuck word or phrase and move on.

Other methods used are light contacts and prolongation. With light contacts, the stutterer almost whispers the word so no hard sounds are made. Prolongation stretches out the word and moves past the stuck

place, giving the stutterer control.

While these methods can be taught in weekly sessions, the intensive four-week program makes it easier to reinforce the behaviors.

"Stuttering is different from other speech impediments," Blood said. "It is part genetic, part developmental and there are physiological differences between stutterers and non-stutterers."

Therapists typically see a large number of clients with a broad variety of speech problems including letter difficulties, the aftermath of strokes and neck cancers and swallowing disturbances as well as stuttering. With this project, the students get 100 hours of experience in treating stuttering.

Working with Blood are Ingrid M. Blood, associate professor of communication disorders; Maryellen Massaro, instructor of speech communication disorders; and Kelly Webb, coordinator of the speech and hearing clinic.

Earth's tiny invaders may be from dawn of solar system

Millions of incredibly old, minute, previously undetected invaders enter the Earth's atmosphere every day and until recently, no one has been able to track, count or investigate them.

These micrometeorites are so small that even when they disintegrate in the atmosphere, they are presently only recordable at high-resolution using the very sensitive 430 megahertz radar system at Arecibo Observatory in Puerto Rico, said a researcher.

"Radio and radar telescopes have always seen meteors and generally considered them noise," said John D. Mathews, professor of electrical engineering and director of Penn State's Communications and Space Sciences Laboratory. "It has only been with recent technology that we can observe these micrometeorites at extremely high velocity resolution."

One reason to look at meteorites is the expected peak in November 1999 of the Leonid Meteor Shower. Both the U.S. Air Force and NASA are concerned with an increase in potential damage to their satellites and spacecraft.

However, observations suggest that these micrometeorites are not associated with the cometary debris streams that cause meteor showers, but are entering the earth's atmosphere all the time and from all directions accessible from Arecibo.

"We can track the micrometeorites' orbits back through time, and most of these tiny rocks appear to originate on the edges of our solar system and not in the trails left by comets," Mathews said. "We think that the material in much of the micrometeorites that we see is left over from the formation of the solar system."

Mathews is collaborating with D.D. Meisel, Department of Physics and Astronomy, State University of New York Geneseo, and Qihou Zhou, staff scientist, Arecibo Observatory and a 1991 Penn State doctoral recipient.

ATHLETICS

A regular column provided by Intercollegiate Athletics

New staff

Elizabeth Dixon and Tracey Wilkinson have joined the athletic staff as coaching assistants in women's lacrosse and women's gymnastics respectively. Dixon is a graduate of William & Mary and Wilkinson earned her degree from the University of Toronto.

Sold out

When athletic ticket director Bud Meredith received his shipment of tickets for the home football season, he had 563,802 seats to sell for six Beaver Stadium games. On the eve of the season opener with Pittsburgh, Meredith's ticket supply has dwindled to zero. More than 62,100 seats were sold to the public and 20,000 to students. The rest were earmarked for single game sales, including allotments to the visiting teams. All but one of the last 113 home games have been witnessed by sold-out crowds.

World-class competitors

Two gymnasts — Mike Dutka of the men's team and incoming freshman Gemma Cuff of the Lady Lions — are participating in the World Gymnastics Championships now through Sept. 7 in Lausanne, Switzerland. Dutka earned a spot on the USA team with his fifth in the National Championships at Denver. Cuff, from Leicestershire, England, will participate for her native country.

For the latest information on Penn State sports, visit the official Intercollegiate Athletics site on the Web: <http://www.psu.edu/> (Click on sports).

For the Record

■ In the Aug. 21 issue of *Intercom* on page 4, the location of the lecture to be given by William Shulz, executive director of Amnesty International USA, was listed incorrectly. Shulz will be speaking at 8 p.m. Tuesday, Oct. 14, in Schwab Auditorium on the University Park campus as part of the 1997-98 Distinguished Speaker Series.

■ The deadline for seed funding proposals from faculty and staff interested in collaborating with colleagues at Penn State's key partner institutions in South Africa is Sept. 15. An incorrect location for the institutions was listed on page 6 of the Aug. 28 *Intercom*.

Carpoolers

Third person needed for carpool from Phillipsburg. Working hours 8-5. Phone Holly at 865-6524 or e-mail hsg1@psu.edu.



Time to register

With the return of students to University campuses comes the return of bicycles. The Department of University Safety requires that all bicycles brought onto any campus be registered. On campuses other than University Park, check with the police/safety office to find out times and locations for bicycle registration. At University Park, bicycles may be registered at information kiosks in the visitor parking lots between 7 a.m. and 4:30 p.m. Monday through Friday, or at Police Services in the Eisenhower Parking Deck at other times. For more information, call the Department of University Safety at (814) 863-1111.

Photo: Greg Grieco

Promotions

Staff

Edward C. DeBrasky, manager, facilities and real estate in the Office of Physical Plant.

Joy G. Dietz, assistant director, admissions in Office of the Vice Provost and Dean for Enrollment Management and Administration.

Betty L. Dubbs, staff assistant V in Continuing and Distance Education.

James D. Ellis, network and systems analyst in Student Affairs.

Darlene P. Fike, sales manager, The Nittany Lion Inn.

Lisa M. Glass, network coordinator at Penn State Berks.

Cynthia L. Goss, supervisor, dining room, The Nittany Lion Inn.

Sharon L. Goss, administrative assistant II in Research and Graduate School.

Jeffrey P. Gugino, assistant coordinator, advising programs in the College of the Liberal Arts.

Cheryl R. Gustitus, staff assistant VII at Penn State Schuylkill.

Jennifer J. Houser, staff assistant IV in College of Earth and Mineral Sciences.

William K. Houtz, senior communications engineer in Computer and Information Systems-Telecommunications.

Cari Howlin, senior microcomputer system consultant in Computer and Information Systems-Center for Academic Computing.

Deborah J. Hoy, staff assistant VII in Division of Development and Alumni Relations.

Fredina M. Ingold, director, admissions/athletics at Penn State Altoona.

E.K. Jury, staff assistant V in Continuing and Distance Education.

PENNSTATE INTERCOM

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Grand plans



Generous benefactors

William A. and Joan Schreyer's \$30 million gift to the University to form the new Schreyer Honors College is the single largest gift ever given to the University by a person or couple. Over the years, the couple have been ardent and generous supporters of the University.

Photo: Greg Grieco

Schreyers donate \$30 million to fund new honors college

In an announcement that was greeted with stunned silence, a few gasps and then an enthusiastic standing ovation, President Graham B. Spanier announced to the Board of Trustees on Sept. 12 the largest single donation to the University by a person or couple.

"I have wonderful news to share with you today. It will have a positive, profound and permanent impact on Penn State.

"Today, I have the unique, thrilling and humbling experience of accepting a gift in the amount of \$30 million from Bill and Joan Schreyer," he said.

Spanier said the gift will establish the Schreyer Honors College — the only such endowed honors college at any public university in America.

Spanier made the news public at his State of the University Address at Eisenhower Auditorium on the University Park campus, where the stunned and enthusiastic response was repeated by the attendees. The address also was broadcast statewide via satellite.

For more about the gift and information about the Schreyers and their long history of giving to Penn State, please see pages 4-5.

Spanier lists University's top priorities

By LISA M. ROSELLINI
Public Information

Calling the immense changes Penn State has undergone in the past year merely a foundation for the future, University President Graham B. Spanier on Sept. 12 outlined new priorities for Penn State that could help solve societal problems by drawing upon Penn State's strengths, during his annual State of the University address.

Spanier's address to the University community included a public announcement of a \$30 million gift to Penn State — the largest personal gift in the University's history. In his talk, the president spoke of not only the honors college that will be created by the gift, but also of the immense changes Penn State has undergone in the past year, saying they provide the University with a "unique opportunity to advance in the ranks of American public research universities."

From the merger of its medical center and the acquisition of a law school, to the reorganization of its 24-campus system and the announcement of an ambitious distance education initiative, the past year was a monumental one for Penn State. The coming years, according to the president, will be equally dynamic, but only if the University continues to move rapidly to meet societal needs.

"That we have moved quickly in these and other initiatives underscores Penn State's capacity to be a rapid deployment force for progress in higher education," Spanier said. "I reaffirm my goal for Penn State to be the leading university in America in the integration of teaching, research and service."

In his third State of the University address since being named president in 1995, Spanier said that academic excellence would continue to be built

See "Priorities" on page 2

Priorities

Continued from page 1

through "selective investment in the University's strongest programs and areas of greatest potential and need."

The president identified four disciplinary areas for expansion, which he said have "compelling societal interest." They include: children, youth and families; materials science; environmental studies; and information science. All are areas where Spanier envisions greater cooperation among various disciplines.

Under children, youth and families, Spanier visualizes Penn State experts uniting resources and knowledge to improve the quality of life. Providing solutions and preventions for such pressing problems as violence, drug abuse, teen pregnancy, malnutrition and illiteracy are at the heart of the land-grant tradition, according to Spanier. The president has in the past said colleges and universities must play a larger role in addressing the issues that threaten to tear the country apart. The president specifically cited the colleges of Health and Human Development, Education, Medicine, Agricultural Sciences, Law and the Liberal Arts — as well as Cooperative Extension and the Penn State Geisinger Health System — as being well-positioned for this role.

In the area of materials science — a field that has applications in every aspect of life from health to the materials that make it possible to talk on the telephone — the president said the potential for Penn State to excel looms large, considering that it is already home to one of the largest and most successful materials research efforts in the country. In a 1995 ranking of doctoral programs, the materials science program in the Department of Material Science and Engineering was ranked in the top 10 in the nation by the National Research Council, part of the National Academy of Sciences. At Penn State materials research accounts for about \$50 million a year of the University's total research activity.

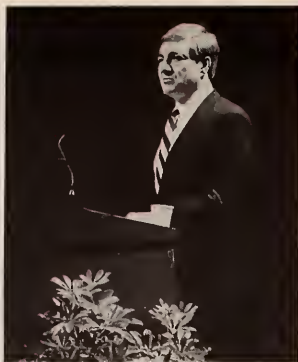
Another key area in which Penn State should make a special investment is environmental studies, according to Spanier. The president said Penn State's leadership in a variety of aspects relating to environmental concerns — from policy making to research aimed at finding solutions — is an asset the University should build upon to help tackle the complex environmental problems that plague the state, nation and the world.

He cited research efforts under way in the colleges of Agricultural Sciences, Earth and Mineral Sciences, Engineering, Business Administration, Law, the Liberal Arts and the Intercollege Research Program that are already addressing issues ranging from helping endangered species regain a toehold to disputes over environmental law and corporate practices. Many of the projects, like those undertaken by the Penn State Cooperative Wetlands Center, not only help repair environmental damage but also provide needed information and guidelines for national agencies like the Environmental Protection Agency.

The final discipline pinpointed by Spanier as one that requires increased attention is information science, a rapidly changing field. Spanier said that with its strongholds in computer science and engineering, communications, management information systems and the social and behavioral sciences, Penn State is a natural leader in the array of fields that make up this broad area.

"All of these areas speak persuasively to our potential contributions to society," Spanier said. "Our vision is for Penn State to be an active participant in economic, cultural and human development."

The president emphasized that educational outreach is central to achieving these high goals. While the World Campus and the enhanced investment in these four key areas will go a long way toward helping solve societal ills, Penn State must expand its



Setting the course

President Graham B. Spanier's State of the University address highlighted the past year's successes and outlined plans for Penn State's continued success.

Photo: Greg Grieco

CHECK THE WEB

For the full text of President Spanier's address, visit the Web. Go to <http://www.psu.edu/> and click on the link to the address, or access the address directly at <http://www.psu.edu/hr/state/stafetof97.html>.

MAJOR POINTS

- Will launch the Schreyer Honors College.
- Increase investment in four key areas: children, youth and families; materials science; environmental studies; and information science.
- Increase interdisciplinary efforts.
- Continue to internationalize the University.
- Expand commitment to humanities and arts.
- Continue to realign resources and academic aspirations and reduce costs.
- Continue to seek new funding from the state.
- Build on the progress to humanize Penn State.
- Make Penn State a welcoming place for all.

outreach efforts by integrating outreach into all disciplines and continuing to create international linkages with other institutions.

"Our efforts to internationalize Penn State improve the quality of education for all students," he told his audience of about 800 at University Park. Hundreds of others gathered at other sites across the state to watch the address live via satellite.

On many points, Spanier's talk dovetailed with the directions outlined in the University's long-range plan. At the Board of Trustees meeting earlier in the day, a special strategic plan expected to guide in the year 2002 was unveiled. In it, six basic overarching goals are spelled out. They include enriching the educational experience; building a more considerate and civil community; serving the people of Pennsylvania; developing new sources of income; and reducing costs through improved efficiencies.

These goals define what we seek for Penn State: leadership in learning, first and foremost, but also an exemplary University climate, a strong commitment to the people we serve, and the ability to sustain our academic community," he said.

Spanier promised to continue his push for more

A LOOK BACK AT THE 1996-97 ACADEMIC YEAR

- Merger of The Milton S. Hershey Medical Center with the Geisinger Health System to create the Penn State Geisinger Health System. The move provides a secure base of support for the College of Medicine.
- The reorganization of the Commonwealth Educational System, including a 12-campus Commonwealth College offering a wider range of degree options. Also merged the Harrisburg and Schuylkill campuses to form the Capital College; merged Berks and Allentown campuses to form the Berks-Lehigh Valley College, and created Altoona College and Abington College.
- Joined ranks with the 163-year-old Dickinson School of Law.
- Reorganized Continuing and Distance Education to take greater advantage of Cooperative Extension's existing program and service delivery system, and elevated extension to serve a broader university-wide mission.
- Moved forward with plans to launch the World Campus — an ambitious distance education initiative.
- Began construction on the \$26.5-million Paterno Library at University Park, which will double the size of Pattee Library.
- Broke ground for the new HUB/Robeson Complex, a two-year project at University Park that will add 91,000 square feet to the Hetzel Union Building.
- Embarked on a nearly \$500 million, five-year capital construction plan.
- Reached a record-high enrollment figure (77,318) in fall 1996, including a record 7,376 minority students.
- Despite limited state appropriations, moved ahead with plans to hire 100 additional faculty.
- Extended plan for differential tuition.
- Received a record \$94.9 million in gifts, a 14 percent increase over the previous year.

state funding and said he would again join with other institutions across Pennsylvania to propose a four-year plan that would provide an annual "stay-even" inflationary increase in each institution's allocation, plus an additional increase to make Pennsylvania colleges and universities more competitive.

The president touched on the University's five-year, \$500 million facilities plan to renovate outdated classrooms and construct new buildings to support academic programs. But in addition to these tangible goals, Spanier also pledged he would not forget to "foster that which cannot be measured in dollars and cents." He said the University will expand its commitment to the humanities and the arts. He also reiterated one of his highest priorities: humanizing Penn State, not only for students but for employees as well.

"I know how hard it is for faculty and staff to work in an environment where one of the continuing messages is of necessity 'do more with less.' I wish to temper that message," he said. "Let me say that our goal is 100 percent employee productivity and 100 percent employee satisfaction. If something's not working, tell us what it is and we'll fix it or explain why we can't."

In his closing remarks, the president encouraged his audience to rise to meet the challenges that faced them.

"I am not saying that we must tackle everything, be the best in everything, or do everything that others do," he said. "What I am saying is that within our means, but with maximum efficiency and all the energy we can muster within the boundaries of our long-range plan and our articulated mission, let us be all that we can be."

From the Trustees Docket

Theme houses unite those with shared interests

By KAREN I. WAGNER
Public Information

Morning greetings in French, social hours without alcohol and quiz sessions in quantum physics are just a few of the many reasons more than 1,900 Penn State students chose special living options this year, selecting residence halls based on their academic, personal and social interests.

The Board of Trustees got an overview of the University's "theme housing" program at the Sept. 12 meeting. Gail Hurley, director of Residence Life, traced the history of a program that has enhanced the residential environment for an increasing number of University students.

Theme housing began at Penn State in the early '70s to increase faculty-student interaction outside of the classroom and create learning communities with faculty advisers.

It started with five interest houses and has grown to 13, including arts and architecture; business and society; earth and mineral sciences; engineering and applied sciences; health and human development; helping across the community; international cultures; international languages; Martin Luther King Jr.; Renaissance; science technology and society; sustainable living; and wellness.

A faculty associate, recruited by the students, helps plan programs and activities that further learning and understanding. Students get advice on internships and career opportunities and meet to discuss current issues in the field. International language houses include three graduate students who are native French, German or Spanish speakers.

"The success of the earlier interest house program really motivated us to explore other special living options," said Hurley. "We wanted to offer a variety of alternatives that would appeal to a larger number of students with diverse interests."

Hurley highlighted two of the more recent additions: the Atherton Living-Learning Center and Learning Edge Academic Program (LEAP).

Housed in Atherton Hall on the University Park campus, the Atherton Living-Learning Center shares 80 percent of its space with students enrolled in the



Themed housing

The Living-Learning Center in Atherton Hall on the University Park campus is a recently added theme house. Assignments to the house are made to students who are looking for a more intense, focused, quiet living environment.

Photo: Greg Grieco

University Scholars Program. The remaining 20 percent is assigned to students who are, similarly, looking for a more intense, focused and quiet environment. Seminars, cultural events and group discussions support students' interest in learning outside the classroom.

LEAP, which is offered only during the summer months, is geared toward incoming freshmen who want to get a head start. They live together, while taking courses and attending workshops on library resources and the latest in computer technologies. During the 1997 summer session, LEAP offered seven different course options in engineering; political inquiry and writing; communications; information systems; business leadership; language and writing; and literature.

Both options are enjoying the popularity of their predecessors, according to Hurley. The Atherton Living-Learning Center remains one of Penn State's most

highly-requested living environments and LEAP enrollment jumped from 100 to 430 students in two years.

Faculty advisers note the sharing of academic interests, work and study experiences offers encouragement and motivation to students as they pursue their studies — ultimately leading to success in college.

"The preliminary data we have on the academic performance of students and their retention at Penn State are quite encouraging," said Jack Mitchell, member of the advisory board for the Freshmen in Sciences and Engineering program (FISE). The rates of attrition for FISE women are one-half those rates for a matched control group of women not in FISE who are pursuing similar technical majors.

In conjunction with faculty, staff and students at all of the University's residential locations, Hurley and her staff will explore the possibility of increasing the number of options currently available at each site.

Academic technologies center named for late associate dean

The Center for Learning and Academic Technologies has been renamed in honor of the late Jack P. Royer. The center will now be known as the Jack P. Royer Center for Learning and Academic Technologies. The Board of Trustees approved the renaming on Sept. 12.

Royer was senior associate dean for the Commonwealth College until his death on July 17, 1997. He joined the University in 1987 as director of academic affairs at Penn State Fayette and later moved to University Park as associate dean for undergraduate education. In 1991 he was named senior associate dean of the CES and was involved in the restructuring of the CES, which became official on July 1.

Royer graduated with honors from Penn State in 1969 with a bachelor's

degree in forest technology. He received a master's degree in environmental systems management from American University in 1973 and a doctorate in natural resources from Cornell University in 1980.

Royer and Robert Dunham, senior vice president and dean of the CES, worked closely together in the creation of the technology center. Royer collaborated with faculty on Project Vision and Project Empower — two initiatives designed to enhance learning through the use of technology.

"Jack was a superb colleague who was devoted to increasing active and collaborative learning in the Commonwealth College. It is indeed a fitting tribute to his memory that we name the center for him," said Dunham.

Pa. mezzo-soprano Marilyn Horne to receive an honorary degree

The Board of Trustees on Sept. 12 approved awarding an honorary doctorate of music degree to mezzo-soprano Marilyn Horne, a native of Bradford, Pa., and one of the greatest opera singers of the century.

Horne has been called "the greatest singer in the world" by *Opera News* and "the most American of all operatic singers" by *The New York Times*.

Born in 1934 in Bradford, Horne was singing songs at the piano just before her second birthday. By the time she was four, she sang at a rally for President Franklin Delano Roosevelt. She has sung at the White House for presidents of both parties and at President Bill Clinton's inaugural ceremonies in Washington, D.C.

Horne's family moved to Los Angeles when she was 11, and six years later she began vocal studies at the University of Southern California. She first came into the public spotlight as the dubbed voice of Dorothy Dandridge in the motion picture "Carmen Jones" in 1954, the same year she made her debut in Los Angeles as Hata in "The Bartered Bride."

Horne has been acclaimed in Italy as the supreme interpreter of Rossini operas. Her appearance at La Scala in "The Siege of Corinth" in 1969 marked the beginning of Horne's reign as the undisputed mistress of the bel canto style of singing as well as one of the most versatile singers in history.

Her great roles have included Handel's Rinaldo, Rossini's Isabella and Rosina, Verdi's Amneris and Princess Eboli, Meyerbeer's Fides and Bizet's Carmen. Currently, Horne is devoting more time to teaching and encouraging young operatic singers in their careers.



William A. Schreyer with his father, William L. Schreyer, the single most important factor in his life. They posed for this photo around 1940.

■ The Schreyers' \$30 million gift is the latest example of their longstanding tradition of support for Penn State.

By LISA M. ROSELLINI
Public Information

William A. Schreyer, former head of the nation's leading financial institution, lives by some pretty basic rules: Kiss your wife every night before you go to sleep; always work as a team; be honest and ethical; and share your good fortune.

For Schreyer, waiting to give away some of the wealth he accumulated during his 45-year career with Merrill Lynch and Co. Inc. "just wouldn't be any fun." That's why last week Schreyer and his wife, Joan, announced a \$30 million gift to the University that would endow an honors college—the largest personal gift in Penn State's history. The Schreyer Honors College will build on the success of the University Scholars Program, which annually enrolls about 1,500 academically gifted undergraduates.

"There's no point in going through life just to make a buck," Schreyer, former chairman of the Penn State Board of Trustees, said. "You've got to accomplish something, build something, grow something and have fun doing it. And you certainly shouldn't wait until you die because you don't get as much of a kick out of it. You want to see the results."

That's why when Schreyer first came across the idea a year ago for an honors college at Penn State, he knew instinctively that it was something he wanted to be a part of. The notion of giving money to an endeavor that could provide opportunities for students from all walks of life vastly appealed to Schreyer, a 1948 graduate who said Penn State has a way of changing your life.

As former chairman and chief executive officer of Merrill Lynch, Schreyer is obviously a shrewd investor and one who takes only calculated risks. Even as early as 1950 when he was just an account executive with Merrill Lynch in its Buffalo office, Schreyer's actions were well-measured. When asked if he would like to go on a blind date with the woman who would eventually become his wife, Schreyer refused. Instead, he set up a meeting at Joan's office building where they could both decide if they liked what they saw. But Bill Schreyer, of course, had the edge. Joan was in her office and easy to identify. Bill could have been anyone entering off the street. They've been married for 44 years.

Although the honors college seemed like a well-advised move, Schreyer needed time to weigh his risks and mull the concept. At home, Schreyer kept looking over a proposal that outlined the college, which would provide scholarships for 300 students each year. When his wife came into the room and asked what he was reading, Schreyer quickly stuffed the papers into his briefcase. He wanted time to turn it over in his own mind, figure out the pitfalls, possibly talk himself out

A LEGACY OF GIVING



Joan Schreyer, second from left, looks on as members of the audience applaud the Schreyers' \$30 million gift to President Graham B. Spanier's State of the University address.

Photo: Greg Grieco

of the idea. But because Joan had always been his equal partner in all aspects of their lives, he removed the proposal and showed it to her.

"She said, 'Well, this is just you. It has you written all over it,'" he recalled. "So here we are and this is certainly one of the most exciting moments of our lives. We just wanted to give something back to the University for all it has done for us."

Growing up during the Great Depression in Williamsport, just a little over 60 miles north of the University Park campus, Schreyer says he was simply a typical kid from a small town—a town he describes as "warm and friendly." His father, William L. Schreyer, ran Merrill Lynch's first local office in the town from 1936 until his death in 1952.

Likewise, Joan Schreyer was growing up in Buffalo, the only child of Gladys and William Legg, a banker.

"I didn't know people who had a lot of money," he said. "The brokerage business wasn't a particularly great business in those days. You didn't get rich. But my father knew his business."

It seems that from the beginning, Schreyer was destined to be on Wall Street. Recalling days as an eight-year-old boy sitting by the ticker tape in his father's office, Schreyer said he could feel the excitement just from the machine.

"I've been around the brokerage business all my life and I love it," Schreyer said. "By the time I graduated from Williamsport high school in 1945, I knew exactly what I wanted to do."

Hoping to stick with his boyhood pals, Schreyer wanted to attend Penn State, but his father—who had attended Bucknell University for a brief period before he was stopped short by a lack of funds—asked him to consider Bucknell. But the pull of Penn State was too strong.

William Douglas, a 1947 graduate of Penn State and a fraternity brother in Sigma Phi Epsilon with Schreyer, remembers a "very pink-cheeked, naive freshman from Williamsport."

"As we were at World War II, we were veterans, pilots and said Douglas, who Schreyer to his wife thought most of the to us, Bill transcended get along with even to do. I think he's got of that. He's a great father was the same dies than they were."

"My father was a tant factor in my life stories about him was just such a man pretty good and I dealt with most people do it with him, he's a carrot—he was so."

Schreyer's father after suffering his instilled in his only his ability to get a strong work ethic the corporate ladder to his position as CEO 1984 and chairman ited with Merrill Lynch position as the world's most profitable securities firm, strategic financial institutions, government officials worldwide.

"None of this was Bill Lynch," Schreyer said. "Bill Lynch and have me knows that I have my father: Penn State."

"This recent gift higher education," he said. "Our company's first to education. He said ety and that philosophy."

Schreyer said that age person) is a real Lynch before the fact have also been able successful investing funds for charities."

Before this money dollars in various gifts for many years. He donated \$1 million in Global Management College of Business pledged \$1 million to Penn State faculty to lion that year to University. Finally, Schreyer, a historical award," a historical dence of the University president's house to support the Schreyer.

"Every time I see they have been the Graham B. Spanier this institution the tions of students."

Schreyer's daughter most Penn State alumn it would be at the alumn of the University.

A passionate introduced to him Lynch, which spanned

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had been possible without my father or Mer-
d. "I spent my entire business career with Mer-
le well because of them. Everyone who knows
two big romances in my life outside of Joan and
and Merrill Lynch.
fects not only my feelings for the importance of
of that Merrill Lynch as well," Schreyer said.
ter, Charles E. Merrill, had a strong commitment
as a sound investment in the future of our society
has made a lasting impression on me."

\$30 million gift (nearly unimaginable to the aver-
because he was able to acquire stock in Merrill
went public. From this investment, the Schreyers
establish a Family Foundation, which through
Bill continue to grow. The Schreyers will use the
purposes.

ent gift, the Schreyers had given several million
State programs. Merrill Lynch provided match-
ing contributions. In 1987, the Schreyers com-
mend the William A. Schreyer Chair
Policies and Planning in The Smel
Administration. In 1993, the couple
help build the new Paterno Library if
staff collectively gave at least \$2 mil-
lions programs of their choice. Ulti-
mately committed \$2.4 million.

ers gave \$1 million to renovate "Lis-
ette College home, to make it the resi-
dential president. The sale of the former
ed \$700,000, which was used to sup-
pulate for Innovation in Learning.

iversity has needed Bill and Joan,
for us," said University President
He and Joan have made an impact on
lly be felt by countless future genera-

tion to Penn State is acutely real. Like
oi, he says it's in his blood and "he always knew
of his giving list." Joan was named an honorary
ity in 1991.

Schreyer's loyalty to the company his father
runs deep. Schreyer's career with Merrill
more than four decades, would be unheard of



Bill Schreyer acknowledges applause at the Board of Trustees meeting after the announcement of the \$30 million gift he and his wife, Joan, gave to the University.

Photo: Greg Gricco

on today's Wall Street. If you believe the movies out of Hollywood, his demeanor is also not common in corporate America.

"He is the essence of calm," said Ruth Rempe, a vice president at Merrill Lynch who has worked with Schreyer for more than 25 years. "It sounds so simplistic, but he truly is a leader. I don't think he is capable of losing his composure."

Rempe said Schreyer has a talent for bringing together individuals with "firm, but divergent views." Douglas, his pal on college, concurred.

"He is nonconfrontational and works to bring people together," Douglas said. "He was not a boss that intimidated. He's the nicest guy you ever want to meet."

During a 1990 speech to thank both Joan and Bill Schreyer for leading Penn State's first comprehensive fund-raising campaign, The Campaign for Penn State, Dave Gearhart, former senior vice president for Development and University Relations, said Bill Schreyer has a leadership style "that makes people want to work themselves to the bone for him." As proof, the campaign which began with a \$200 million goal, netted more than \$350 million at the end of its six-year run.

"I found working with Bill Schreyer a little bit like dancing with a bear," Gearhart said. "You don't stop when you get tired, you stop when the bear gets tired."

Schreyer said chairing the campaign was really a crowning moment for someone as competitive as he is. Scrunching up his face and jabbing his fist forward, he said it felt "so good" to exceed the goal by 50 much.

"I've always had goals and always been ambitious, but not viciously ambitious," Schreyer said. "I can't stand overly ambitious people who are motivated for the wrong reasons. I want people to know that I have a real zest for life. This honors college is something Joan and I are so firmly behind and so strongly believe in."

"One thing this gift, as well as our Family Foundation, allows is for us to share our good fortune," he said. "When you give money away, people remember you and it's a way to keep your name alive. It has been an exciting life, to say the least."



—H. Jesse Arnette
Chairman, Board of Trustees

"I am almost speechless. This gift is ... unprecedented, and that's an understatement."

THE SCHREYER HONORS COLLEGE

The new honors college, endowed by a \$30 million gift from William A. Schreyer and his wife Joan, the largest gift ever received by the University from an individual or couple, will enlarge and transform a highly successful, nationally renowned scholars program into a multidisciplinary center of undergraduate academic excellence.

Three hundred freshmen will enter the program each year and will be supported by scholarships. With its own dean and selected faculty from the university at large, the college will provide study abroad opportunities; professional internships; mentoring by alumni; thesis research; special classes taught by top teachers and scholars; and a national forum for new learning methods. One of the unique features of the new college is its linkage with the Schreyer Institute for Innovation in Learning, a think tank to develop and test new approaches to learning and to implement these throughout the University. In essence, the honors college will become the test laboratory for the innovative approaches to teaching and learning that emerge from the Schreyer Institute.

The Board of Trustees voted on Sept. 12 to name the new college The Schreyer Honors College, making it the first such college at a major public university in America to be named for its benefactors. The college builds on the success of the University Scholars Program, which annually enrolls about 1,500 academically gifted undergraduates. In the most recent survey of its kind, the program was ranked among the eight best at America's public universities. Students entering the program in recent years consistently post average SAT scores well above 1,400, placing them in the upper 1 percent to 2 percent of all American university students.

The Schreyers' gift will:

- Establish in perpetuity the honors college;
- Help provide academic excellence scholarships to 300 students each year;
- Provide up to 100 international study awards annually to students who will be known as Schreyer Ambassadors;
- Provide interaction with national figures who will inspire responsible citizenship;
- Establish fellowships for Penn State faculty and distinguished visitors; and
- Provide funds for national conferences on teaching and learning.

The college also will conduct special outreach to first-generation college students, in keeping with the land-grant tradition upon which Penn State was founded. A residential component of the Schreyer Honors College includes special seminars with outstanding faculty and distinguished visitors, tours, trips and social events.

A professional advisory board consisting of distinguished members of the business, education and public service communities will be formed to link the academic program of The Schreyer Honors College to the world outside the University.

"This extraordinary gift to Penn State will establish the nation's premiere honors college," President Graham B. Spanier said. "It will help us achieve new heights in scholarship and in the longer run, will redesign undergraduate education at Penn State. The existence of this college will stimulate teaching and learning across the University."

From the Trustees Docket

THE PENN STATER
Conference Center Hotel

Conference center has new, yet familiar moniker

The Penn State Conference Center Hotel is getting a new name. On Sept. 12, the Board of Trustees approved changing the name to The Penn State Conference Center Hotel.

"Both Hospitality Services and the Alumni Association at Penn State saw this change as mutually beneficial. It is a name that is instantly recognizable," said Jim Purdum, general manager of Hospitality Services.

The Penn State is also the name of the University's alumni magazine, which has a circulation of 140,000 alumni members.

Last May, Penn State announced plans to pursue a new direction and management of the former Penn State Scanticon Conference Center Hotel. At that time, the University consolidated management of the conference center as part of its own hospitality services and concluded its contract with Scanticon International Inc.

The Penn State Conference Center Hotel, located in the research park, is the largest center of its kind in American higher education. It offers full conference coordination services, state-of-the-art educational technology and professional staff on site.



Same location, new name

The Penn State Conference Center Hotel at Penn State Research Park will now be known as the Penn State Conference Center Hotel. The center is the largest of its kind in American higher education.

Photo: Greg Grieco

"We see this as an opportune way for a new facility of this kind to take on more of the Penn State culture, as

well as celebrate the flagship publication of the largest alumni association in the country," said Diane K. Ryan,

executive director of the Alumni Association.

Appropriation request focuses on competitiveness funding

The Board of Trustees approved a request for the 1998-99 state appropriation of \$314,296,000, an increase of nearly \$24.6 million over the total 1997-98 appropriation of about \$289.7 million.

President Graham B. Spanier told the board, "The 1998-99 appropriation request reflects a cooperative effort among all of Pennsylvania's public colleges and universities to advance a four-year funding plan to make the Commonwealth and its public higher education institutions more competitive nationally."

The request includes an inflationary appropriation increase for basic operating cost increases of 3.5 percent, totaling around \$10.1 million, and competitiveness funding with an increase of an additional 5 percent, totaling a little more than \$14 million.

"The role of Pennsylvania's public colleges and universities is critical to developing an educated populace, one capable of meeting the full range of workforce demands and also of producing civic and social leadership at the highest levels," Spanier said. "Public higher education also can help the state to develop and sustain new ventures that can compete successfully in the global economy and provide jobs to residents.

"Yet by virtually every measure, Pennsylvania lags behind its competitor states in support for public higher education," he said.

The University's appropriation request includes planning priorities developed through the University's strategic planning process. Several areas have

"An increased investment in Penn State by the Commonwealth will return far more value than the dollars involved."

President Graham B. Spanier

been identified for special investment. These areas will contribute significantly to the Commonwealth's progress and quality of life, Spanier said.

The University's highest priority for competitiveness funding remains the creation of 75 additional faculty positions to improve the quality of the educational experience for students, totaling \$4.4 million.

"This year, we are able to fund approximately 100 new faculty through a combination of internal reallocation, new state funds and tuition," Spanier said. "But this still leaves Penn State more than 500 positions short of the number required to bring our student-faculty ratio to the average of the other state-related universities."

Competitiveness funds also are requested for information technology and libraries (\$2.8 million); life sciences (\$1 million); and critical academic program priorities (\$1.4 million).

Other needs for competitiveness funding are deferred maintenance for projects at all campuses (\$1.5 million); a continuing special investment in Agricultural Research and Cooperative Extension (\$2.2 million); College of Medicine (\$561,000) for

medical education; and Pennsylvania College of Technology (\$582,000) for programs in environmental technology and plastics and polymer technology.

The University's budget plan includes basic operating cost increases such as modest salary adjustments for faculty and staff; employee benefits and fuel and utilities cost increases; and the continuation of the President's Excellence Fund established in 1997-98.

"The University will continue its program of internal budget reductions that is part of the current five-year strategic planning process," Spanier said. "We expect to generate \$3.5 million for internal reallocation—\$1.5 million to help fund basic operating costs increases and \$2 million targeted for highest priority program needs."

If Penn State receives the requested appropriations increase, the basic tuition increase for 1998-99 will be 3.2 percent, or an increase of \$90 per semester for resident lower-division undergraduate students at University Park. The actual tuition increase for students will vary, as a result of the phased differential tuition program begun this fall semester.

"An increased investment in Penn State by the Commonwealth will return far more value than the dollars involved," Spanier said. "Penn State works hard to eliminate financial, geographic and programmatic barriers to quality higher education. Yet, we also must have a strong partnership with the Commonwealth to continue the tradition of excellence and to assure access to higher education for the people of Pennsylvania."

Document details future direction of University

By LISA M. ROSELLINI
Public Information

Two years of hard work marked by budgetary constraints, a realignment of priorities, reviews of programs, and answers to tough questions about the future direction of Penn State has come together in a 34-page document that is expected to strengthen the core missions of the University and move it into the year 2002.

Presented to the Board of Trustees on Sept. 12, "Academic Excellence: Planning for the 21st Century" is Penn State's strategic plan for the next five years. A blueprint for how Penn State can survive and thrive in the next century, the document spells out six overarching goals, as well as strategies within these goals. The plan does not yet include quantitative measures and the targets needed to fully assess the progress in meeting the goals. However, the document is being called "a work in progress."

"This will always be a work in progress," John A. Brighton, vice president and provost, said. "Times will continue to change and we have to be prepared to also change. The measures that are absent from this current document are being worked on and will be prepared over the next several months."

Brighton, chairman of the University Planning Council — the 15-member group appointed in 1995 by President Graham B. Spanier to develop an overall strategic plan for Penn State, said the budget and strategies developed by the UPC were crafted with academic excellence in mind and with an eye toward enhancing the overall educational experience. The document is not a detailed work cast in stone, but rather a broad outline that spells out an understandable set of priorities, according to Brighton.

Under the direction of the UPC, departments and units across the University two years ago began to scrutinize their operations to better identify strengths, define shortcomings and decide what areas would receive needed resources. As departments and units embarked on the difficult task of adjusting priorities to meet changing student needs, the UPC began its task of defining an overall vision for the University — one which reaffirms Penn State's commitment to teaching, research and service.

While keeping "the big picture in mind," the UPC reviewed the strategic plans and budget requests of every major division within the University — 31 units and 137 departments — to ensure that Penn State's strengths were being maximized.

"This is not the whole plan for the University," Brighton told Trustees. "While it does give an overview, the whole plan is actually made up of this



Building the future

One of the strategies for enhancing the educational experience at Penn State, as outlined in the University's strategic plan, is improving facilities. Above, site work continues on the HUB/Robeson Complex on the University Park campus. The facility is being expanded to better serve student needs.

Photo: Greg Grieco

document and plans from those 31 units and 137 departments. The real effort is done at the unit level, engaging not only the leaders but also faculty and staff in preparing and following these plans."

Brighton and Spanier have often referred to the UPC process as one that has integrated a "top-down" and "bottom-up" approach.

The six overarching goals identified by the UPC in the document include:

- 1) Enhance academic excellence through greater support of high-quality teaching, scholarship and research.
- 2) Enrich the educational experience of all Penn State students.
- 3) Build a more considerate and civil community.
- 4) Serve the people of the Commonwealth.
- 5) Develop new sources of income.
- 6) Reduce costs through improved efficiencies.

Within each of these goals, the UPC has described several ideas on how to achieve these aspirations. One strategy for enhancing academic excellence asks deans to systematically evaluate every program for quality and student demand. According to the UPC, deans should also look at pro-

grams for their relation to the University's mission and overall objectives.

Increasing the quality and size of the faculty, as well as freeing resources to move ahead the best units and reallocating funds from administrative to academic functions are identified as feasible strategies that would help improve educational quality.

Some recurring themes in the document include improving teaching and learning, enhancing support for research endeavors, promoting cross-departmental and cross-college efforts, increasing partnerships with business and industry, bolstering outreach efforts and increasing the use of technology for learning and as a way to create efficiencies.

The development of an honors college, to become a reality with the recent \$30 million gift from Joan and William Schreyer, is another strategy identified as one which would enrich the educational experience.

Some of the strategies, particularly those that would help Penn State better serve the Commonwealth, have already been accomplished or are currently under way, such as a reorganization of outreach and Cooperative Extension, the merger of The Milton S. Hershey Medical Center with the Geisinger Health System, the merger

1997 University Planning Council Membership List

John A. Brighton, chair and executive vice president and provost; William W. Asbury, vice president for Student Affairs; Jill A. Bush, graduate student, kinesiology; Jamie L. Desmond, undergraduate student, Spanish; Rodney A. Erickson, vice president for research and dean of the Graduate School; Louis F. Geschwindner Jr., chair, University Faculty Senate; R. Scott Kretschmar, immediate past chair, University Faculty Senate; Eva J. Pell, Steimer Professor of agricultural sciences; Rodney J. Reed, dean, College of Education; Betty J. Roberts, assistant vice president for Business Services; Karen Wiley Sandler, dean, Abington College; Gary C. Schultz, senior vice president for finance and business/treasurer; Elliot S. Vesell, Evan Pugh professor and chairman and assistant dean for graduate education; Susan Welch, dean, College of the Liberal Arts; and David N. Wormley, dean, College of Engineering.

Staff Support

P. Richard Althouse, budget officer of the University; Stephen R. Culey, assistant to the executive vice president and provost; Bill Mahon, director of the Department of Public Information; and Louise E. Sandmeyer, executive director, Center for Quality and Planning.

Administrative Fellows

Terri L. Dowdy, Administrative Fellow, Office of Vice President for Finance and Business/Treasurer; and Susan B. Shuman, Administrative Fellow, Office of the Executive Vice President and Provost.

with The Dickinson School of Law and the reorganization of Penn State's 24-campus system.

The strategic plan also touches upon general ways to reduce costs by improving or merging operations, and briefly mentions the idea of creating cost centers for various services that would establish a direct link between available funds and income generated.

"We are facing many great challenges both internally and externally," Brighton said. "We must take some bold steps to keep pace with these challenges, yet still remain committed to our mission. The Penn State of the future, guided by this plan and the unit-level plans, will help advance the University in its drive for excellence."

Anyone who would like to read the strategic plan in its entirety, can find it on the Web at <http://www.psu.edu/univstate/stratplan.html>.

Somber University marks anniversary of tragic incident

One year ago this week, a terrible tragedy struck the University Park campus as a sniper opened fire on the HUB lawn.

One student, Melanie Spalla of Altoona, was killed in the Sept. 17, 1996, shooting. Another, Nicholas Mensah of Philadelphia, was seriously wounded. Mensah returned to University Park this semester and has resumed taking classes.

For those who would like to observe the anniversary of the tragedy, Campus Ministries at Penn State, in partnership with the University's Center for Ethics and Religious Affairs, have dedicated the Eisenhower All-Faith Chapel as a place of remembrance, reflection, meditation and prayer from 8 a.m. to 5 p.m. on Wednesday, Sept. 17. Throughout the day, members of various campus ministries will be present in the chapel, offering silent meditation and prayer and occasional readings and prayers aloud.

In addition, professional campus ministry staff will be available for conversation and counseling as needed.

During a memorial service last year shortly after Spalla's death, the University announced the creation of a scholarship in her memory. The first recipient of this \$1,000 annual scholarship is Anessa J. Lynn, a junior in the College of Communications. Lynn of Altoona attended Penn State Altoona for two years; the 1997 fall semester is her first semester at University Park. All full-time undergraduate students enrolled or planning to enroll at the University Park campus who have achieved superior academic records or who manifest promise of outstanding academic success are eligible for the scholarship.

The Undergraduate Student Government also has memorialized Spalla with the planting of a tree outside Simmons Residence Hall, where Spalla lived. A plaque in her memory will be erected alongside the tree this month.

The suspect in the shooting, Jillian Robbins, has been released from a six-month commitment at Norristown State Hospital and returned to Clinton County Prison. Attorneys on both sides of the case have indicated that it could be at least several months before the case goes to trial.

Master plan meetings set

Two public meetings on the University Park master plan have been scheduled. The meetings will be held Tuesday, Sept. 16, from 12:30 to 2 p.m. in 111 Wartik Lab and from 7:30 to 9 p.m. in the Ferguson Township Municipal Building meeting room.

The public may attend either or both meetings and provide input on Penn State's composite plan. For more information on the University master plan visit the Web site at <http://www.opp.psu.edu/utpp/utppapp.htm>.

Programs enhance campus safety

Proactive initiatives such as crime avoidance programs, community awareness and community cooperation and support programs have successfully helped to combat crime at the University Park campus.

David Stormer, assistant vice president for safety and environmental services, gave a report on campus safety issues before the Board of Trustees on Sept. 12.

"Since the 1980s, the officers assigned to the Residence Hall Police Team focus on providing one-third of the residence hall students with a crime avoidance program during an academic year," Stormer said. "That means seven or eight officers contacting approximately 3,000 to 4,000 students over the year with information about preventing crimes."

Another important activity is continual community information and awareness about crime, including distributing notices in the residence halls, media publicity, police reports and electronic communications, he said. The University Police Services was publicly sharing information long before the passage of the 1988 Pennsylvania Right-to-Know law on campus crime and the federal law in 1990.

The Penn State Emergency Phone System allows students to call without charge and report criminal activity or seek assistance on campus. The emergency phones are located throughout campus and inside some buildings, such as residence halls.

Police Services employs a total of 46 professional police service officers and supervisors, seven community service officers, three property protection guards and four police telecommunications who provide protection and service 24 hours a day, 365 days a year.

In addition, approximately 250 students are employed and trained as student auxiliary officers. This includes a residence hall security unit, which works from 7 p.m. to 3:30 a.m. in the residence halls with the coordi-



Bike beat

Frank Ball is one of the Police Services officers on bike patrol at the University Park campus. The program has been in operation at the campus for the last six years.

Photo: Greg Grieco

nators, resident assistants and student residents.

A bicycle patrol has been added to become more visible and close to the University community. The Penn State Escort Service provides students, faculty or staff with a walking escort to or from any location year-round within a reasonable walking distance of campus. Each year, these student employees accompany more than 6,000 people around State College and University Park.

A victim/witness advocate offers support and guidance to victims or witnesses who need additional information, such as canceling credit cards when property is taken and what to expect when they appear in court.

While enrollment at University Park has increased for the past 20 years, crime has decreased, Stormer said.

As University Park enrollment has steadily grown from 32,588 in 1977 to 39,782 in 1996, Part I offenses, have

fallen from 1,042 in 1977 to 748 in 1996. Part I offenses include murder, rape, robbery, assault, burglary, theft, auto theft and arson.

"Overall, the crime rate in the United States has generally been falling since 1981 contrary to the media reports," Stormer said. "This holds true for Pennsylvania and for University Park. Plus, the campus' central location has been a major factor in the low crime rate at University Park when compared with more urban universities."

However, "we have made available a high level of police services, comparable to all other police agencies, which also has contributed to a lower crime rate," Stormer said. "All the officers have earned a baccalaureate degree and have been members of the higher education community, as well as working side by side with the many student officers. Each officer understands and views the students on this campus as our community."

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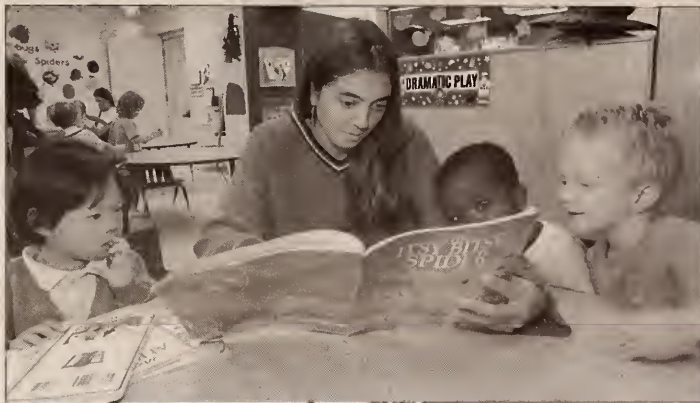
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■ Outreach



Captive audience

Ariel Chang, left, Nile Robinson and Joe Mount listen to Laura Dreibeis, a student tutor in the America Reads program, as she reads "The Itsy Bitsy Spider" to them at the Penn State Child Care Center in Cedar Building on the University Park campus.

Photo: Greg Grieco

Students bring joy of reading to youth as America Reads tutors

By BILL CAMPBELL
Public Information

When Sarah Ebeling wanted information on Penn State's role in the new "America Reads" campaign against illiteracy, she went right to the top.

Ebeling, a senior majoring in early childhood and elementary education, e-mailed President Graham B. Spanier and that put her on the way to participation in a pilot program conducted this summer at the Uni-

versity Park, Altoona, Berks, Delaware County, DuBois and Fayette campuses.

Spanier and 19 other college and university presidents are members of the steering committee for the anti-illiteracy program in which new federally funded work-study positions have been established for students to work as reading tutors for young children. More than 650 colleges and universities nationwide are now involved in the program. At Penn State, \$413,000 in new work-study

funds has been earmarked for America Reads.

"We had 70 students involved in our summer pilot program and targeted 200 student tutors for the fall," Priscilla Carman, America Reads coordinator at the University, said. "But, in a recruiting effort to University students who had received a work-study grant, more than 600 students indicated an interest in being part of the initiative."

See "Read" on page 2

Take part in United Way Day of Caring

University employees are being asked to roll up their sleeves and take part in work projects for United Way agencies and other non-profit groups throughout Centre County during the fourth annual PNC Bank-United Way Day of Caring on Thursday, Sept. 25.

The community event, which continues to grow, last year attracted several hundred members of the University community, who took a vacation day off work or school to assist the agencies.

Sue Rinehart, administrative assistant in The Smecal College of Business Administration's marketing department, worked at Easter Seals in State College with a group that included

See "Caring" on page 2

Omega CEO is Renaissance Man

By GARY W. CRAMER
Public Information

David B. Lee, chairman and chief executive officer of Omega Financial Corp., will be honored as the Renaissance Man of the Year at the 21st annual Renaissance Scholarship Fund dinner. The event will be held Nov. 6 at The Nittany Lion Inn on the University Park campus, beginning with a 6 p.m. reception and continuing with a 7 p.m. dinner.

The dinner, held each year since 1977, raises funds for Penn State's Renaissance Scholarships, which are awarded to academically talented students who have financial need. Each dinner honors a University or community leader and funds are used to

See "Renaissance" on page 3

Inside



Job hunt

A multi-college career fair at The Bryce Jordan Center will bring together more than 250 companies, making it easier for students to go job-shopping. To find out more, please see page 10.



Age makes a difference

Although young and old may seem to react to extreme heat in similar fashion, a study has shown that their cardiovascular responses are very different. To learn more, please see Focus on Research on page 15.

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Read

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Carman, literacy specialist in the College of Education's Institute for the Study of Adult Literacy, attributed the response, in part, to a growing national concern about literacy skills.

"With a major public awareness campaign in the last 10 years, there is a great deal of concern and college students want to be involved. And, more importantly, reading with children is fun. When you see a child learn to connect the spoken and written word, it really is exciting. Students see it as being worthwhile and having far-reaching implications and impact."

The program is being funded by entirely new funds from the federal government. It differs from other work-study programs in that the required local matching requirement has been waived. Funding is administered through the Office of Student Aid, with Brownen Wagner, Melissa Kunes and Jane Cone providing the necessary connections for students.

"In essence, community sites are receiving tutoring help at virtually no cost," Carman said. "As a result, there has been tremendous response and support from the community."

In the summer pilot program, Penn State's America Reads tutors provided more than 8,000 tutoring hours for preschool and elementary school children in a wide variety of sites across the state, including child care facilities, libraries, YMCA's, Easter Seals, summer reading programs in school districts, Temporary Housing, parks and recreation departments and the federally-funded Even Start Program, a family literacy program.

Ebbling, who is from Howard in Centre County, read to children at two local bookstores, at the Central Pennsylvania Festival of the Arts and Schlow Memorial Library in State College. She is continuing in the program this fall and hopes to work in an elementary school reading program.

"I had a great experience," she said. "On my last weekend at Schlow, one of the children brought me a bag of gifts related to the stories I had been reading and a touching card. It was very rewarding."

At Penn State Fayette, 10 students eligible for the federal work-study program were assigned to six different sites, including two on campus.

JoAnn Harris, America Reads coordinator at the campus, said the student tutors used books from the campus library and the Uniontown Public Library in the summer program.

Caring

Continued from page 1

William W. Asbury, vice president for student affairs, and employees from the Office of Physical Plant.

"It was my first involvement in the program and I requested Easter Seals because my son had helped there the previous year," she said. "Two carpenters from Physical Plant rebuilt the front entrance and the rest of our group was involved in painting and refinishing playground equipment and reorganizing a storage shed."

"We worked all day, but it was fun. It makes you feel good. I plan to do it again this year with my son."

Another group from The Smel College, headed by Trudy and Cecil Smith, was involved in a wide variety of painting projects at the Second Mile facility.

At the Seven Mountains Boy Scout Camp, more than 30 Penn State students from the Division of Development and Alumni Relations built picnic tables, sanded and repainted wood stoves, and provided general maintenance and cleanup of cabins.

"The Day of Caring provided a unique opportunity for us to do something in memory of a col-

State bureau's \$32,000 grant helps McKeesport train more literacy tutors

For the second consecutive year Penn State McKeesport received a grant from the Pennsylvania Department of Education to train students as adult literacy tutors.

The one-year, \$32,000 grant from the Bureau of Adult Basic and Literacy Education supports the administrative and training requirements for the program.

In cooperation with the Pennsylvania Literacy Corps, Penn State McKeesport has developed a one-credit course, curriculum and instruction, open to all students regardless of major.

JoAnne E. Burley, McKeesport CEO, will serve as project director and lead instructor for the course. Burley holds a Ph.D. in language commu-

nication from the University of Pittsburgh, has done postdoctoral work in adult education at Harvard University and holds Pennsylvania certification as a reading specialist and reading supervisor.

She directed a federally funded Literacy Corps program from 1990-92 while at Chatham College and directed the Penn State McKeesport Literacy Program in 1996-97.

Students will receive training as adult literacy tutors early in the semester and will serve as volunteer tutors three to four hours a week during the remainder of the semester. The tutors will prepare learners for GED tests, reading and comprehension skills, math skills and other life skills.

"In addition to providing reading and writing assistance," she said, "our tutors incorporated various activities to make the experience more fun for the children."

"The pilot program was very well received. There has been nothing but positive response. Everyone involved, from the tutors, the children, parents and on-site coordinators, felt it was worthwhile. It is one of the best programs we have undertaken."

She said 18 students are participating in the fall program, which includes two new sites, the Uniontown School District's Community of Partners after-school reading program, and ECHO, an academic preschool program operating in four area communities.

An important byproduct of the program, according to Norma Notzold, American Reads coordinator at Penn State Delaware County, where eight students were involved in a summer camp on the campus, is that it will encourage the student tutors to read to their own children when they become parents.

"I'm very excited about it, because in addition to helping children learn to read, our students are seeing the joy of reading to children and are learning to appreciate their own enjoyment of reading. We are demonstrating the pleasure and enjoyment of reading—to both the children and our students—and that's one of the best things we can do."

Carman said plans call for the America Reads program to be in place at all Penn State campuses this semester.


"We are using the community sites identified in the summer pilot program and also have established new sites. Many site coordinators who had tutors during the summer have requested the same tutors in the fall, if their schedule permits."

Carman stressed that the program is not limited to education majors and that those students expressing interest in it represent all University colleges and most departments. Participants must undergo two state clearances to screen out those with inappropriate backgrounds.

"We provide training in basic reading techniques and supplement that with training by the on-site supervisors," she said. "One of the concerns, or problems, with tutor-based training is that, after initial training, the tutors often are left on their own. Yet, follow-up training is vital."

"To accomplish this, we have established a listserve available University-wide. Tutors can sign on and then share their experiences and ideas. If we see trends developing and need a workshop on a particular topic, we can schedule one to meet specific needs as they arise," Carman said.

"Feedback from our summer pilot program indicates it was a highly successful effort in which the University and the community worked together for achieving literacy in children and helping them develop strong reading habits. We are continuing and expanding that effort this fall."



SPONSORED BY **PNCBANK**

To participate

Members of the University community who are willing to take a vacation day to participate in the Sept. 25 event can contact the Centre County United Way at 238-8283 for volunteer information and a complete listing of projects. Team leaders also have Day of Caring application forms which can be faxed to the United Way office.

league's son, an active Boy Scout who died of cancer," Sue Powell, assistant director of Annual Giving, said. "A memorial contribution was directed to the camp for improvements and we were able to provide the labor. We worked all day and accomplished a great deal. There was a good feeling among the group."

Individuals or groups of employees are encouraged to sign up for a work project.

Projects scheduled this year include:

Painting and landscaping at the Friendship Community Library in Beech Creek; painting at Counseling Service, Centre County Library, Skills Inc. and the YMCA in Bellefonte; painting and cleanup at the Port Matilda Recreation Area; expanding and renovating existing trails, Mount Nittany Conservancy, Lemont; a wide range of painting, construction and repair projects at the American Red Cross, Association for Retarded Citizens, Easter Seals, Women's Resource Center, YMCA, Temporary Housing, Strawberry Fields, Youth Service Bureau and Stormbreak, all in State College.

Work also is scheduled at Walnut Spring Park in State College and at the State College Area High School Community Fields.

Day of Caring volunteers will meet in the morning at Beaver Stadium for registration, distribution of Day of Caring T-shirts and a pancake breakfast provided by Penn State Catering. They'll work throughout the day, with lunch included, and meet at the Penn State Hotel and Conference Center in late afternoon for an event celebration.

Renaissance

Continued from page 1

endow scholarships in the honoree's name.

A native of State College, Lee's association with Omega Bank started in his teen years, when he worked odd jobs at Omega's local predecessor, Peoples National Bank of Central Pennsylvania. Three years after earning a bachelor's degree in mathematics from Lycoming College in 1961, he officially joined Peoples as an assistant cashier and branch manager. He was named a vice president for Peoples in 1969, and president in 1977. He joined Peoples' parent organization, Omega Financial Corp., in 1989.

Among his many local civic activities, Lee is a board member with Centre Foods Enterprises, Scientific Systems Inc., the Brokerhoff House Corp. and Centre County's higher education and housing authorities. He also is on the boards of the Federal Reserve Bank of Philadelphia and Lycoming College, and has served in the past with the State College Chamber of Commerce, the Centre County Chapter of the Pennsylvania Association for Retarded Citizens, Centre County United Way and Centre Community Hospital.

Lee's late father, Eugene, was once an officer with Peoples Bank, and was Penn State's 1987 Renaissance Man of the Year. His late mother, Elizabeth, attended Penn State pursuing home economics studies. His wife, Joyce, earned master's and doctoral degrees from the College of Education and is a curriculum coordinator for the State College Area School District. The couple has two children.

Since the Renaissance Fund's inception in 1969, nearly \$3.5 million in private contributions has been raised to help make higher education possible for 1,357 students. During the 1996-97 school year, \$273,297 in scholarships was awarded to 308 scholars.

For more information on the Renaissance dinner, contact Robin Wray in the Office of Annual Giving at (814) 863-2052.



DAVID B. LEE

Private Giving

Gift of Old Master paintings benefits the Palmer Museum

Alumna Mary Jane Harris of New York City recently donated two Old Master paintings to the Palmer Museum of Art in memory of her late husband, Morton B. Harris.

One of the paintings is "Christ in Glory with Apostles and Saints," an oil on panel executed shortly before 1586 by the Florentine artist Giovanni Balducci as a preparatory sketch for the main altarpiece in the church of Gesù Pellegrino. It was later known as the "Oratorio dei Pretori."

The second work, "David with the Head of Goliath," is an oil on canvas painted in Venice by Girolamo Forabosco between 1650 and 1660, which blends an understanding of Titian with the more cosmopolitan Venetian vision of the mid-17th century.

Both paintings are currently on view in the museum on the University Park campus.

The Forabosco painting joins an earlier gift of the Harrises now hanging in the Baroque Art Gallery, Pietro Vecchia's "Sacrifice of Jephthah's Daughter," another Venetian oil on canvas from the mid-17th century.

Gift of \$50,000 memorializes parents

A gift of \$50,000 from alumnus Frank Burstein and his wife, Sonia, of Elkins Park, will endow a new scholarship in the Eberly College of Science.

The Hyman and Jenny Burstein Memorial Scholarship in Science, named in memory of Frank Burstein's parents, will be funded through the proceeds from a charitable gift annuity established last December. When fully funded, the scholarship will assist up to

two academically gifted undergraduate or graduate students each year.

Frank Burstein earned his bachelor's degree in premedicine from Penn State in 1949 and his medical degree from Hahnemann, and has long practiced medicine in the Philadelphia area. He currently shares a practice that is part of Allegheny Health Systems with a son, one of the couple's four children.

The Harris collection, which was begun in 1967, focuses almost exclusively on Italian Baroque paintings. It has been the subject of articles in *Art and Auction* and *Architectural Digest*, and next year will be featured in a book on collectors and collecting in America.

Penn Staters

Dale Jacquette, professor of philosophy, recently presented two papers at international conferences. The first, "Paraconsistent Logical Consequence," was given at the First World Congress of Paraconsistency, University of Ghent, Belgium; his second presentation was "Constructibility and the Analysis of Quantifiers in Wittgenstein's Tractatus," at the 20th International Wittgenstein Symposium, Austrian Ludwig Wittgenstein Society, Kirchberg am Wechsel, Austria.

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, gave an invited talk on "Nanocomposites: Lessons from Bioceramics" at Slovak University of Technology, Bratislava, Slovak Republic. He also gave a presentation at University of Vienna in Vienna, Austria, on "Novel Swelling Mica."

Marie Bednar, cataloging coordinator for the University Libraries, presented "Strategic Planning for Libraries in the 21st Century — the Time of Rapid Change and Scarce Resources" and "Strategic Planning in Practice" at the "Libraries of the Future" CASLIN 4 (Czech and Slovak Libraries Network) Seminar in Dlouhe Strane, Czech Republic.

Ingrid Blood has been named to the Blue Ribbon Audiology Panel of the American Speech-Language Hearing Association (ASHA). The panel is charged with developing a report for the executive board of ASHA which will identify critical issues facing the profession, set the vision for the future and describe the outcomes essential for those visions to be achieved.

Pat Comerford, instructor in dairy and animal science, was elected vice president of the American Youth Horse Council.

A recording by cellist Kim Cook, associate professor of music in the School of Music, of two Haydn cello concertos is now available on the Slovak Treasures label in the Czech Republic and Bayer Recordings in Germany. The performance was recorded in the Czech Republic with the Bohuslav Martinu Philharmonic under the direction of Maestro Peter Lucker.

She previously recorded a CD with the Castalia Trio for the Skvrna label in the Czech Republic, and BASF has released her recordings of world premieres of Brazilian music.

"Brother's Keeper," a new play written by Charles Dumas, associate professor of theatre arts, had its world premiere in August at the Samuel Beckett Theatre in New York City. Dumas directs the play, which also features eight Penn State theatre students.

Evelynn M. Ellis has been elected chair of the Council of College Directors of Minority Programs for the 1997-98 year. She is currently the coordinator of minority programs in the College of Arts and Architecture and affiliate assistant professor in the School of Music.

Irwin Feller, director of the Institute for Policy Research and Evaluation and professor of economics, has been appointed to a three-year term on the Manufacturing Extension Partnership National Advisory Board.

Ralph M. Ford, assistant professor of electrical engineering, presented the paper "Metrics for Scene Change Detection in Digital Video Sequences" at the IEEE International Conference on Multimedia Computing and Systems in Ottawa.

LECTURES

Professor to present 1997 Taylor Lectures

Larry L. Hench, professor of ceramic materials in the Department of Materials at the Imperial College of Science, Technology and Medicine, University of London, will present the 1997 Nelson W. Taylor Lectures on Sept. 22 and 23 at University Park.

Hench will speak on "Medical Materials for the Next Millennium" at 3:30 p.m. Sept. 22 in 112 Kern Building, and on "Molecular Modeling of Materials" at 3:30 p.m. Sept. 23 in 301 Steidle Building. A reception will be held for Hench Sept. 22 in the EMS Museum, 112 Steidle Building, immediately following his lecture.

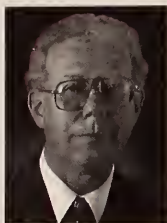
All events are free to the public. Hench discovered Bioglass — the first man-made material found to bond with living tissues. The unique glasses are used clinically throughout the world to repair bones, joints and teeth. The development of Bioglass and Hench's accompanying studies of the mechanisms of glass surface reactions and chemical materials processing have led to many international awards and publication of nearly 400 research papers, 21 books and 23 patents.

Chemical engineering talks cover wide array of topics

The Department of Chemical Engineering is offering a series of seminars during the fall semester. All seminars will be held at 2:30 p.m. at the Paul Robeson Cultural Center. Hostess for all seminars is K. Fichtorn, associate professor of chemical engineering and physics. For more information, contact Sandra Brown at (814) 863-4961 or smbche@engr.psu.edu.

Remaining seminars are:
■ Tuesday, Sept. 30: "Self-Assembly and Interactions Between Polymer Interfaces," Anna Balazs, University of Pittsburgh.

■ Tuesday, Oct. 14: "A Multiscale Approach to Homogeneous-Heterogeneous Oxidation Reactors: Reactor



LARRY L. HENCH

Hench's studies of silica sol-gel processing also have made a significant impact. They led to the development of a new generation of gel-silica optical components (Gelsil). The products, now commercially manufactured, have led to numerous advanced technology awards in the optics industry.

Before joining the faculty at Imperial College of Science, Technology and Medicine in 1995, Hench held a professorship and was director of the Bioglass Research Center and co-director of the Advanced Materials Research Center, all at the University of Florida. He is associate director of the Interdisciplinary Research Centre in Biomedical Materials and was recently appointed director of the Centre for Tissue Regeneration and Reconstruction, both at the University of London.

The Nelson Taylor Lecture Series is sponsored by the Department of Materials Science and Engineering. It was established in 1969 to honor the memory of Nelson W. Taylor (1899-1965) who was head of Penn State's Department of Ceramics from 1933 to 1943.

Safety, Chemical Synthesis and Pollution Abatement," Dionysios Vlachos, University of Massachusetts-Amherst.

■ Tuesday, Oct. 28: "Micellization and Bilayer Formation in ABA and ABC Triblock Copolymer Blends and Gels," Richard Spontak, North Carolina State University of Raleigh.

■ Tuesday, Nov. 11: "Aggregation of Particles in Shear Flows," Bill Olbricht, Cornell University.

■ Tuesday, Nov. 25: "Surface Science Studies of Model Supported Metal Catalysts," John Vohs, University of Pennsylvania.

■ Tuesday, Dec. 9: "Engineering the Secretion Pathway in Insect Cells," Mike Benveniste, Johns Hopkins University.

Altoona speaker series runs political gamut

Since 1995, Penn State Altoona has presented some of the world's most prestigious and renowned figures to the public as part of its Student Affairs Distinguished Speaker Series.

This year's slate of speakers includes Dan Quayle, Ted Kennedy Jr., Sam Fulwood, Sarah Weddington, Phyllis Schlafly and Jean-Michel Cousteau. The series will tackle such popular and sometimes controversial topics as disability issues, diversity, abortion and the environment.

■ Quayle kicks off the series when he discusses family values, national security and a host of other political and nonpolitical topics during his "Standing Firm" presentation. Quayle will speak at 7:30 p.m. Sept. 25 at the Adler Athletic Complex.

■ Kennedy, who lost a leg to cancer as a youth, puts the civil rights of people with disabilities into the American consciousness and political arena. He presents his views and findings during his presentation, "Facing the Challenge: Dealing with Disabilities" at 7:30 p.m. Nov. 13 at the Adler Athletic Complex.

■ Life as an African American in today's society is captured by award-winning journalist Fulwood

as he presents "Waking From The Dream: My Life in the Black Middle Class." Fulwood takes the stage at 3:30 p.m. Jan. 18, 1998, in the Penn State Altoona Community Arts Center.

■ The abortion debate will be highlighted as Roe vs. Wade attorney Weddington debates feminist critic Schlafly in "The Roe vs. Wade Debate: Twenty-Five Years Later." The debate will take place at 7:30 p.m. March 3, 1998, at the Adler Athletic Complex.

■ Architect and environmentalist Cousteau, son of the late underwater explorer Jacques Cousteau, draws upon his lifetime of exploration to reflect on humanity's impact on the global environment during his "Designing Our Future" presentation. Cousteau will present his program at 7:30 p.m. April 7, 1998, at the Adler Athletic Complex.

The Distinguished Speaker Series is provided as a student and community service by the Division of Student Affairs at Penn State Altoona. The series is free to the public; however, tickets are needed. They may be picked up at the Penn State Altoona Bookstore from 8 a.m. to 6 p.m. Monday; 8 a.m. to 4:30 p.m. Tuesday through Friday; and 11 a.m. to 2 p.m. Saturday.

Delaware County features diverse lineup of speakers

The 97-98 Cultural Speaker Series at Penn State Delaware County will bring a variety of speakers to the main student lounge at the campus this academic year. Scheduled lectures are:

■ Former Wisconsin Congressman Steve Gunderson will speak at 11:30 a.m. Tuesday, Oct. 7. In 1994, Gunderson became the highest ranking Republican official in U.S. history to disclose his homosexuality. He has since retired and will share his views through his book *House and Home: The Struggle for Gay Rights in America*.

■ Sonia Manzano, the bilingual Maria on the PBS children's television series "Sesame Street," visits at 12:30 p.m. Monday, Nov. 17. Manzano, also an Emmy-winning contributing writer for the show, will discuss the importance of "Positive Role Models in the Hispanic Community," stressing the need for developing one's personality and character in life.

■ A special Martin Luther King Jr. program is planned for 12:30 p.m. Monday, Jan. 19. Judge Louis J. Pollak will discuss his challenging and rewarding experiences arguing the

Freedom Ride case before the United States Supreme Court in 1964. This landmark case challenged the "Jim Crow" laws of racial segregation that dominated the South. Pollak is a member of the U.S. District Court in Philadelphia and former dean of the Yale Law School and the University of Pennsylvania Law School.

■ Nadine Strossen, an advocate for constitutional laws, civil liberties and international human rights, will discuss these issues as they relate to women at 11:30 a.m. Tuesday, March 3. She is the first woman to head the nation's oldest and largest civil liberties organization, the ACLU.

■ Phoebe Eng, media developer and author of *Warrior Lessons*, a book about women and empowerment, will speak at 12:30 p.m. Friday, April 17. Eng has been featured on CNN, NBC and ABC, and in *The New York Times* and *The Wall Street Journal* for her views on contemporary culture and race dynamics. Eng will speak on "One World, One Culture" and how the media has created this phenomenon.

More Lectures

Series begins with talk on Eleanor Roosevelt

Blanche Wiesen Cook, distinguished professor of history and women's studies at the John Jay College and the Graduate Center of the City University of New York, will be the first speaker for the Women's Studies Program's Feminist Scholars Series. Cook will speak on "Eleanor Roosevelt: Women, Power and Human Rights" at 4 p.m. Tuesday, Sept. 23, in 101 Kern Building on the University Park campus.



BLANCHE WIESEN COOK

Cook's 1992 biography, *Eleanor Roosevelt: Volume One* remained on *The New York Times* best seller list for three months and received many awards,

including the 1992 Biography Prize from *The Los Angeles Times* and the Lambda Literary Award. It is now available as a Penguin paperback.

Cook shares Eleanor Roosevelt's commitment to the principle of greater dignity and security for all women and men, and in addition to her teaching, writes frequent reviews and columns for many newspapers and periodicals. She produces and is host for her own program for RadioPacifica, "Women and the World in the 1990s." She is working on volume two of *Eleanor Roosevelt*.

Oct. 2 lecture to discuss gender and power in Africa

The African and African American Studies Department and the Women's Studies Program presents "Gender and Power Among Non-centralized and Segmentary Societies in Africa" by Onaiwu Ogbomo.

The program, a part of the "Gender and Africa Speaking Series," will be held Thursday, Oct. 2, from 11:30 a.m. to 1 p.m. in the Paul Roberson Cultural Center on the University Park campus.

In this lecture, Ogbomo will trace the history of matriliney by examining oral traditions and religious practices, including the reverence for a pantheon

of goddesses which appears to relate to early female authority figures. He will discuss the role of matrilineality, when settlements are made up of related female kin and the married males are strangers. He will show that among non-centralized peoples in southern Nigeria, matrilinearity did not refer to female chiefs just as patriarchy did not refer to male chiefs.

Ogbomo's research calls into question two "sacred cows" of historical and feminist studies: the universal subordination of women and societies' "progress" by becoming more centralized.

Actor Olmos to speak at Abington

Penn State Abington will kick off its lecture series, Celebrating Our Diversity, on Thursday, Sept. 25, with a presentation titled "We're All in the Same Gang," by actor Edward James Olmos. The event begins at noon in 112 Woodland Building.

Olmos is best known for his role as Lt. Castillo in "Miami Vice," and major roles in the films "Stand and Deliver" and "Selena," and most recently, the Showtime production of "Twelve Angry Men."

Growing up in the East Los Angeles barrio, Olmos barely escaped the violent, vicious cycle of gang life. Instead he played baseball, became a rock and roll singer, and eventually found his way into acting. Olmos has been referred to as America's most visible spokesman for the Hispanic community, and his humanitarian work is approached with the same dedication and discipline as his acting.

For information on the event or the lecture series, call (215) 881-7368.

Proposal writing session is Sept. 30

The Schreyer Institute for Innovation in Learning will conduct a proposal writing workshop for all faculty from noon to 1 p.m. Sept. 30 in 304 Rider

Building II. For information, e-mail Wendy Baker at Wmb16@psu.edu, or call the institute at (814) 865-8681. Registration is due Sept. 20.

Astronomy lecture features the search for life on Mars

Roger Knacke, professor of physics and head of the Division of Science at Penn State Erie, Behrend College, will present "Is There Life on Mars?" at 7:30 p.m. Thursday, Sept. 25, in the Reed Lecture Hall in Reed Union Building on the Behrend campus. This is the first of a series of Open House Nights in Astronomy at the college. This year's theme for the series is "The Search for Life in the Universe."

In his talk, Knacke will summarize results of the recent Pathfinder mission to Mars and the search for life on the red planet.

Mars is the planet in our solar system most similar to Earth. As such, it is a prime hunting ground for extraterrestrial life forms. While Knacke said it's unlikely that life survives on Mars today, recent evidence from the Mars meteorite and traces of lakes and floods on the red planet suggest the possibility that life could once have existed there. Knacke will describe the Pathfinder mission and NASA's plans for further exploration of Mars.

His lecture will be illustrated by some of the photographs obtained by Pathfinder.

The remaining 1997-98 Open House Nights in Astronomy schedule follows:

■ Oct. 30: "Beyond Planet X," Keith S. Noll, Space Telescope Science Institute;

■ Dec. 4: "The Christmas Star," Knacke;

■ Jan. 29: "Sandbox Physics," William Baxter, assistant professor of physics, Penn State Erie;

■ Feb. 26: "The Clouds of Jupiter," Knacke;

■ March 26: "Extrasolar Planets," Alan Boss, Carnegie Institute of Washington.

All lectures are free to the public. Astronomical observing will follow the lectures, weather permitting. For more information, call (814) 898-6105.

Mont Alto plans interactive panel discussions for fall

The Penn State Mont Alto Campus Theme Program Series will hold two interactive panel discussions as part of its fall theme, "Mont Alto Alive!" The series is meant to emphasize the diversity of ideas within the community by exploring the topics of ethics, diversity and aging.

The first panel discussion, "Baby Boom and Beyond," explores trends within generations at 7 p.m. Tuesday, Sept. 30, in the Multipurpose Room, Multipurpose Activities Center. Panelists include: Margaret Galligan, instructor of business administration, Penn State Mont Alto; Cynthia Drenovsky, assistant professor of sociology, Shippensburg University; Jo Searles, professor emeritus, Department of English, Penn State; Christina Rago, sophomore, secondary education, Penn State Mont Alto; and facilitator David Goldenberg, chief executive officer, Penn State Mont Alto.

The second interactive panel discussion in the series, "Ethics in American Society," will be held at 7 p.m. Tuesday, Nov. 18, in the Multipurpose Room, Multipurpose Activities Center. Panelists include Penny Kyler, ethicist with the America Occupational Therapy Association; Cheryl Plummer, Franklin County commissioner; Rodd Welker, associate director of Student Affairs, Penn State Mont Alto; John Bardi, instructor of philosophy, Penn State Mont Alto; and facilitator Janet DeLany, director of the occupational therapy program, Penn State.

All programs are free to the public. For information, call (717) 749-6234.

Learn about venture capital financing

Venture Investment Forum of Central Pennsylvania, a division of the Susquehanna Alliance, will hold its annual Venture Capital Day from 8 to 11 a.m. Thursday, Sept. 25, in the main historical auditorium of The Hershey Medical Center.

Top venture capital firms will be available to give on-the-spot critiques

to business presenters. This presentation and critique format offers unique insight into the world of venture capital financing.

Cost for this breakfast meeting is \$35. For reservations, call (717) 730-9818. For information on making presentations, call Michael Hund, mentors committee chair, at (717) 257-3043.

University seeks leaders for two campuses

Fayette needs CEO to oversee growth, 75 faculty and more than 900 students

The University is seeking candidates and nominations for the position of campus executive officer for Penn State Fayette since 1992, has retired. The CEO is the chief administrative officer of the campus and is responsible for administering all of its programs. The CEO also is responsible for maintaining close relationships with the campus communities, including outreach programs.

The campus has 10 buildings with a new biomedical technology center containing nursing and natural science labs to be built this year. With the establishment of the new four-year degree in general business, Fayette will have four baccalaureate degrees. The other four-year degrees are in administration of justice; RN/BS; and letters, arts and sciences. Penn State Fayette has six associate degrees: architectural engineering technology; electrical engineering technology; two-year business administration; two-

year human development and family studies; two-year letters, arts and sciences; and nursing. The Department of Continuing Education offers a wide array of credit, non-credit and management development courses on and off campus. In addition, a Weekend College was established to serve adult students in the community. There are 45 full-time and 30 part-time dedicated faculty serving more than 900 traditional and non-traditional students.

Candidates should have an earned doctorate, several years of experience in college and/or university teaching and substantial experience in academic administration.

Send resumes to: John Leathers, associate vice president, Commonwealth College, 111 Old Main, Dept. CHFE, University Park, Pa. 16802.

Applications will be accepted until a suitable candidate is selected. Women and minorities are encouraged to apply.

Shenango executive officer sought to work with diverse student body

Candidates and nominations for the position of campus executive officer for Penn State Shenango, Albert N. Skomra, campus executive officer at Shenango, retired Sept. 1 after 31 years of service. The CEO is the chief administrative officer of the campus and is responsible for administering all of its programs. The CEO also is responsible for maintaining close relationships with the campus communities, including outreach programs.

The campus enrolls approximately 1,000 students, all of whom commute. The student body is diverse, with a large cohort of adult learners. Founded in 1965, the campus offers seven associate degrees; select baccalaureate opportunities; the first two years of almost all of Penn State's

180 baccalaureate majors; and credit and non-credit certificate programs. Several of the degree offerings have an allied-health focus with curricula in physical therapy assistance, occupational therapy assistance and four-year nursing.

Candidates should have an earned doctorate, several years of experience in college and/or university teaching and substantial experience in academic administration.

Send resumes to: John Leathers, associate vice president, Commonwealth College, 111 Old Main, Dept. CHSV, University Park, Pa. 16802.

Applications will be accepted until a suitable candidate is selected. Women and minorities are encouraged to apply.

Colleges honor three as Alumni Fellows

Arts and Architecture taps office park developer

One of Pittsburgh's pioneer suburban office park developers and



PAUL KOSSMAN

the owner of Kossman Development Co., Paul Kossman has been named a 1997 Alumni Fellow by the College of Arts and Architecture. In conjunction with receiving the award, he will speak to architecture students at University Park on Friday, Sept. 26.

Kossman graduated from Penn State in 1949 with a degree in architectural engineering. Since then, he has combined his talents and abilities as a registered architect, developer and real estate professional to design, build and manage in excess of three million square feet of office buildings and retail shopping centers in both Ohio and Pennsylvania.

Kossman also is the sponsor of a lecture series at the University.

Kossman is a Navy veteran of World War II and, following graduation, he joined his father, Curtis L. Kossman, in real estate operations. A registered architect since 1955, Kossman has received many professional awards, including a special citation from the American Institute of Steel Construction in 1984 for his personal contributions to the advancement of steel construction in the nation. Over the past 10 years, he has raised more than \$200,000 for the annual Free Care Fund in Pittsburgh, establishing himself as one of the group's top 10 fund-raisers. In addition to other philanthropy, Kossman has sponsored an Architectural Design Award at Penn State, establishing a fifth-year design thesis prize. In 1989, he established the Penn State Fund for Excellence in Design.

While at Penn State, Kossman studied voice and played the flute in the Penn State Marching Band. Kossman and his wife, Agnes, live in the Morewood Heights section of Pittsburgh, in a house of Kossman's design. Three of Kossman's four children work for his firm.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

College of the Liberal Arts chooses two senior financial officers

College of the Liberal Arts honors two Alumni Fellows

The College of the Liberal Arts has named two Alumni Fellows: Arnold S. Hoffman, senior managing director of Legg Mason Wood Walker Inc., and Linda Brodsky Strumpf, vice president and chief investment officer of the Ford Foundation. The Alumni Fellow Award, sponsored by the Penn State Alumni Association and administered in cooperation with the colleges, is the most prestigious of the association's awards. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Hoffman received a journalism degree from Penn State in 1957. Before assuming his current position at Legg Mason Wood Walker Inc., he was chairman of the Middle Market Group Inc., an investment bank affiliated with Shearson Lehman Brothers Inc. Hoffman was a managing director of Shearson Lehman Brothers Inc., where he founded and was responsible for the firm's middle market investment banking group. He also is a general partner of Financial Investors Fund L.P., a venture capital fund.

Hoffman has been named chair of the Liberal Arts Development Council for the upcoming capital campaign. In addition to being a member of the Mount Nittany Society, he has served as the regional co-chair of the Jewish studies campaign committee and a member of the National Development Council. A life member of the Alumni Association,



ARNOLD S. HOFFMAN



LINDA BRODSKY STRUMPF

citation, Hoffman lives in Rydal, Pa., with his wife, Bette, a 1958 Penn State graduate in home economics.

Strumpf, who graduated in 1969 with a degree in economics, is responsible for the Ford Foundation's multi-billion-dollar investment portfolio. A chartered financial analyst, she is a member of the New York Society of Security Analysts and the Association for Investment Management and Research. Before joining the Ford Foundation in 1982, Strumpf was vice president and portfolio manager at The Equitable Life Assurance Society. In 1972, she earned an MBA from New York University Graduate School of Business.

Strumpf, who served on the Liberal Arts Alumni Society board of directors from 1987 to 1995, is a member of the Liberal Arts Development Council for the University's upcoming capital campaign. She and her husband, Jonathan, a 1969 Penn State graduate in psychology, live in Newark, N.J.

■ Outreach

Institute marks five decades of service

What began in 1947 with one engineer providing advice to the Commonwealth of Pennsylvania for steam generation and fuel burning problems, has grown into a University-based service organization with six engineers who will serve more than 100 state-run facilities this year.

The Penn State Facilities Engineering Institute, now housed in the Department of Architectural Engineering, is celebrating its 50th anniversary next week.

Most of its clients are state governmental agencies seeking technical expertise and research in areas including electrical distribution systems; heating, ventilation and air conditioning systems; central boiler plants; and water treatment systems. A new contract with the Pennsylvania Historic and Museum Commission will add security services and fire alarm systems for 27 historic sites to this list. More than \$7 million in research has been conducted by the institute over the past 10 years.

The institute also:

- Offers continuing education courses for engineering and maintenance staff in state agencies. These courses have been provided for more than 30 years.

- Conducts research for agencies outside Pennsylvania, such as the U.S. Department of Energy, the U.S. Army and the food and restaurant industry.

- Employs architectural engineering students in summer jobs. Over the last 10 years, the institute has employed approximately 200 students.

State agencies served by the institute include the State System of Higher Education and the departments of cor-



On the job

Water treatment engineer Jim Tomlinson instructs operations personnel and supervisors in one of the short courses the institute offers annually. The institute also conducts on-site workshops throughout Pennsylvania.

rections, public welfare, military affairs, agriculture, labor and industry, and general services.

For more information, check the Web at <http://www.engr.psu.edu/www/dept/larel/server/actop.html>; or contact Jim Myers, institute director, at (814) 863-1657 or jxm17@engr.psu.edu.

Commission for Women adds 14 members

Fourteen women were recently named to the Commission for Women by President Graham B. Spanier to serve three-year terms. New members are selected from every employment category at the University and also include undergraduate and graduate students.

The commission, now in its 16th year of existence, serves as an advisory body to the president recommending policies and programs that enhance the working and learning environment for women faculty, staff and students. The commission also serves as a forum for the exchange of ideas within the University and annually organizes Take Our Daughters to Work Day. In addition, the commission produces special reports on a variety of topics affecting women, including the Tenure Track Faculty Study; A Vision for an Equitable University; and the Administrative Fellows Study, on top of its annual report on the Status of Women at Penn State.

This year's new members include: **Merrilee Anderson**, graduate student in plant pathology; **Alison Bell**, undergraduate student in microbiology; **Terril Brooks**, dean, College of Communications; **JoAnne Burley**, campus executive officer, Penn State McKeesport; **Romayne Emel**, stockroom worker, Department of Biochemistry and Mol-

ecular Biology; **Eunice Ferguson**, residence utility worker, Housing; **Michaelene Franzetta**, staff assistant, athletics; **Lynn Hill**, undergraduate student in communications; **Donna Rogers**, associate professor, Spanish, Italian and Portuguese; **Lisa Rosellini**, manager of internal publications/editor, *Intercom*, Department of Public Information; **Beth Rundstrom**, teaching assistant, geography; **Mirma Urquidí-Macdonald**, associate professor of engineering, science and mechanics; **JoAnn Vender**, graduate assistant, geography; and **Pamela Wolfe**, assistant professor, Department of Educational and School Psychology and Special Education.

The current head of the commission is **Tineke Cunningham**, career counselor in Career Development and Placement Services; chair-elect for the coming year is **Robin Anderson**, coordinator, process improvement in Computer and Information Systems.

Commission for Women meetings are open to the University community. The first meeting is slated for 3-5 p.m. Monday, Oct. 13, in 404 Old Main. For more information about the commission, contact the Commission for Women office, in the Office of the Vice Provost for Education Equity, at (814) 863-7696.



A regular column provided by the Office of Human Resources

Life Insurance Improvement made

There has been an enhancement to the University Life Insurance plans applicable to faculty and staff effective immediately.

This enhancement applies specifically to the beneficiary of the life insurance proceeds of a deceased participant. Until now, the beneficiary could either take a lump-sum payment of the proceeds or elect to receive the proceeds in several payments over a set period of time. Now, however, the beneficiary will have more flexible control over how and when the proceeds are received.

Upon approval of the claims payment, the proceeds are placed into a personalized account, called an "alliance account." The alliance account is in the beneficiary's name, and the funds in the account earn interest until withdrawn. The beneficiary is issued a draft book containing 15 drafts (which work similarly to bank account checks). The beneficiary can then write drafts for all or part of the money, with a minimum of \$250 at a time, or leave the money in the account for as long as he or she chooses.

The funds in the account will earn a competitive interest, and monthly statements will be provided. If the balance falls below \$250, the account will be closed automatically, and a check for the balance will be sent to the beneficiary. A specially designated alliance account customer service representative will be available on a toll-free basis, at (800) 353-4160, to assist the beneficiary.

A later article about the importance of using the correct wording when making beneficiary designations for minor children under 18 years of age will be published in an upcoming *Intercom*.

University offers doctoral fellowships in special education

Penn State is offering graduate fellowships to American Indian and Alaska native students interested in doctoral level training in special education or educational administration. The program is affiliated with the University's nationally recognized American Indian Leadership Program. The fellowships are supported by a grant from the U.S. Department of Education.

The purpose of the program is to prepare American Indians and Alaska natives to be leaders in special education by completing doctoral degree programs in either special education or educational

administration. Focus will be on special education, educational administration, leadership, policy and Indian education.

Participants who complete the program will receive a Ph.D. in special education or educational administration. Program graduates will be qualified to assume leadership positions in schools, tribes, colleges and universities, or professional organizations that provide special education services to American Indian and Alaska native people.

Applications are now being accepted. The dead-

line for submitting applications is Nov. 15 for the 1998 spring semester and June 14 for the 1999 fall semester. The fellowship includes a monthly stipend of approximately \$1,000 per month, tuition, textbooks and relocation allowances.

Anna Gajar, professor of special education, and **John Tippecanoe III**, professor of education, are co-directors of the program. For more information contact Gajar at (814) 863-2284 or via e-mail at ag3@psu.edu; or Tippecanoe at (814) 863-1626 or via e-mail at jwt@psu.edu.

ARTS & ENTERTAINMENT

AT PENN STATE



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Taming the Dragon
C. Rollman 1996

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On display

"Taming the Dragon," an ink and watercolor painting on rice paper by Charlotte Rollman, professor of art at Northern Illinois University, is part of the exhibition "Beijing and Beyond: Women Artists Respond To The World Conference On Women." The exhibition will be in the Hetzel Union Building Formal Gallery on the University Park campus through Oct. 25.

Logan music series

Music at Noon: The Logan Wintergarden Series at Penn State Erie, Behrend College, will kick off its 1997-98 season Friday, Sept. 19. The series, which includes performances by six different chamber music ensembles throughout the academic year, invites audiences to bring a brown-bag lunch to the Reed Union Building Commons and enjoy informal presentations. The groups not only perform, but also explain their music to build understanding, enjoyment and intimacy with the audience.

■ This year's series opens Friday, Sept. 19, with Four Nations Ensemble, a group known for its juxtaposition of music from a variety of cultures.

■ The series continues with a performance by the Eakin Piano Trio on Thursday, Oct. 16. The trio features violin, cello and piano.

■ On Wednesday, Nov. 19, the Amerinet String Quartet will perform. The group is made up of four young musicians from Japan, the United States, Korea and Mexico.

■ The String Trio of New York performs Wednesday, Feb. 11. The trio features acoustic improvisations and compositions for violin, guitar and bass.

■ The series continues on Friday, March 20, with Crossstown Trio. The group combines electric guitar, classical guitar and flute to create innovative arrangements of classical and jazz standards.

■ The season will conclude on Monday, March 30, with a performance by the Cleveland Duo with Umble. The duo regularly performs a repertoire that includes violin-piano, duo violin and violin-violon, but for this performance will combine with James Umble, a classical saxophonist.

For more information, call (814) 898-6000.

DuBois arts series

The Penn State DuBois 1997-98 Cultural and Performing Arts Series includes a variety of entertainment.

■ Pittsburgh-based modern rock duo Honeybrown Hangover gives an outdoor concert at 7 p.m. Tuesday, Sept. 23, at Hiller Lawn.

■ October brings the unorthodox jazz sounds of the Dixie Power Trio to Hiller Auditorium.

■ In November, William McCarthy, professor of English at DuBois, will share the American fairy and folk tales

he has collected from all along the east-seaboard. Also in November, music lovers will delight to the classical sounds of Brandywine Baroque.

■ The Singing Lions will kick off the December holiday season with an evening of contemporary and holiday music and dance.

■ January 1998 finds award-winning juggler Mark Nizer center stage in Hiller Auditorium for a program of comedy, satire, wit and juggling.

■ In April, the five-man new-traditional band Jaffna rounds out the season with their original interpretation of traditional music from many cultures.

All Cultural and Performing Arts Series programs are free to the public. A brochure featuring all of this year's programs is available by calling the campus at (814) 735-4760 weekdays from 8 a.m. to 5 p.m.

Jazz recital

M. Daniel Yoder, professor of saxophone and jazz studies, will present a jazz saxophone recital at 8 p.m. Tuesday, Sept. 23, in the School of Music Recital Hall on the University Park campus.

Also performing on this program will be John Daniel, associate professor of trumpet; Jeff Lawlis on piano; James Robinson, director of orchestral activities with the State College School District, on bass; and Michael Plunkett on drum set.

The recital is free to the public.

Bach's Lunch

Essence of Joy will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Sept. 25, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Essence of Joy is a group of around 40 singers directed by Anthony Leach of the School of Music faculty.

The group will present its fall concert at 4 p.m. Sunday, Oct. 26, in the School of Music Recital Hall.

After the Bach's Lunch concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Symphony concerts

The Nittany Valley Symphony will present six concerts on the University Park campus during its 1997-98 season, "Transformations."

■ The season opens at 8 p.m. Tuesday, Sept. 30, in Eisenhower Auditorium with "Shining Transformations," featuring guest soloist Panayis Lyras, winner of the silver medal in the 1981 Van Cliburn International Piano Competition.

■ "Dancing! From Ballet to Broadway," a Symphonic Pops dinner concert, is scheduled for Sunday, Nov. 9, at the Penn State Conference Center



BRYCE JORDAN CENTER

Gymnasts to visit

All seven members of the 1996 Olympic Gold Medal winning women's gymnastic team will be together for the John Hancock Tour of World Gymnastics Champions at 7:30 p.m. Friday, Nov. 28, at The Bryce Jordan Center.

Tickets are \$33.50, \$26.50 and \$18.50 for reserved seating. Children age 14 and under and senior citizens over age 60 receive a \$4 discount. Group seating is available. Call (814) 863-1812 for more information.

Big names coming

Two concerts will feature some big names at The Jordan Center in October.

First, Counting Crows with special guest Dog's Eye View will appear at 8 p.m. Oct. 25. Tickets are \$24.50 and \$22.50, and will be on sale at 8 a.m. Friday, Sept. 19.

On Oct. 29, the Beach Boys and Chicago team up for a 7:30 p.m. concert. Tickets are \$37.75, \$28.75 and \$25.25 and will be available starting at 8 a.m. Sept. 20.

For more information, visit The Bryce Jordan Center's Web site at <http://www.bjc.psu.edu>.

Hotel. The evening begins at 5 p.m. with hors d'oeuvres, dinner follows at 6 p.m. and the concert at 7 p.m.

■ Steven Smith, professor of music, is the featured pianist for "Beethoven's Romantic Revolution," at 8 p.m. Tuesday, Dec. 9, at Eisenhower Auditorium.

■ "Fantastic Visions," a musical hybrid concerto featuring Diane Gold Toulson on flute, will be presented at 8 p.m. Tuesday, Jan. 27, 1998, at Eisenhower Auditorium.

■ "Magic and Mischief at the Symphony" will be held at 3 p.m. Saturday, Feb. 21, 1998, at Eisenhower Auditorium. The concert features the 1997-98 Keller Young Soloist Competition winner, along with the magic of Richard Benninghoff.

■ The series ends with "Mahler's Evolution of the Spirit," at 8 p.m. Tuesday, April 28, 1998, at Eisenhower Auditorium, featuring mezzo-soprano Jan Wilson, the State College Choral Society Women's Chorus and the Knights and Squires Boychoir.

For information on tickets-to events at Eisenhower Auditorium, call the Eisenhower Ticket Center at (814) 863-0255. For more information on the dinner concert or to subscribe to the season, call the Nittany Valley Symphony at (814) 231-8224.

See "Arts" on page 9

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, September 19
"Kris Kehr Trio," noon, Kern Graduate Commons.

Alberto Ginastera, guest artist recital, 8 p.m.,
Recital Hall.

Saturday, September 20
Scott Schweigert, gallery talk on "Four Centuries of Portraits at the Palmer Museum," 11 a.m., Christoffers Lobby.

Pomerium presents "The Return to Light," 8 p.m., Schwab Auditorium.

The Great Insect Fair, Agricultural Science and Industries Building.

Tuesday, September 23
■ Ballet Folklórico de Mexico, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Dan Yoder, saxophone, faculty recital, 8 p.m., Recital Hall.

Thursday, September 25
Essence of Joy, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

■ "Les Enfants Terribles," 8 p.m., Eisenhower Auditorium.

Friday, September 26
"Michael & Terri Dennis," noon, Kern Graduate Commons.

Robin Seymour, gallery talk, 2 p.m., Palmer Christoffers Lobby.

Saturday, September 27
Storytime by Jan Kinney, 11 a.m., Palmer Christoffers Lobby.

Carl Blake, piano, faculty recital, 8 p.m., Recital Hall.

Sunday, September 28
■ Patrick McGrady on "Picasso, Einstein and Everyone Else at the Lapin Agile," 2 p.m., Palmer Lipson Auditorium.

SEMINARS

Friday, September 19
James Rambeau on "Motives for Remembrance: An Example From the Civil War," 4 p.m., 206 Walker.

Monday, September 22
Shyamoli Chaudhuri on "An Introduction to D-branes and String Duality," 2 p.m., 339 Davey Laboratory.

Larry L. Hench on "Medical Materials for the Next Millennium," 3:30 p.m., 112 Kern.



Portrait exhibit

"Paloma Pedrew" is one of 21 portraits by Candace Leonard on display in the exhibit "Focusing: 20th-Century Spanish Playwrights." The portraits will be in the Kern Exhibition Area on the University Park campus through Oct. 20.

Magic Johnson speaks on being an HIV survivor, his achievements on the basketball court, and his business ventures, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-3786.

Tuesday, September 23
Sergey Ketov on "Exact Solution for Hyper-multiple Low-Energy Action in H₂, 4D Gauge Theories," 3:30 p.m., 339 Davey Laboratory.

Larry L. Hench on "Molecular Modeling of Materials," 3:30 p.m., 301 Steidle.

Blanche Wiesen Cook on "Eleanor Roosevelt: Women, Power and Human Rights," 4 p.m., 101 Kern.

Helen Guthrie on "Nutrition Challenges and Priorities: Then and Now," 4 p.m., 110 Wartik Laboratory.

Ivitch on "The Evolution of Institutions that Fit People into Technology: Schools, Hospitals, Prisons, etc.," 6:30 p.m., 112 Walker.

Wednesday, September 24
Daniel Cosgrove, "The Role of Expansions in Plant Development," 12:20 to 1:10 p.m., 112 Buckhout Laboratory.

Jay Magaziner on "Studies of Recovery from Hip Fracture: The Baltimore Hip Studies," 4 p.m., 110 Henderson.

Thursday, September 25
Ted Jacobson on a subject to be announced, 11:30 a.m., 339 Davey Laboratory.

Ted Jacobson on "Black Holes, Condensed Matter and the Transplanckian Puzzle," 3:30 p.m., 101 Osmond Laboratory.

Friday, September 26
■ Karsten "Shien" on "The Global Change Master Directory: Bridging Disciplines in Global Change," 4 p.m., 206 Walker.

CONFERENCES

Monday, September 22
Mushroom Review Course, Penn State Conference Center Hotel, through Sept. 23.

Review Course for Professional Engineering Examination of Mining/Mineral Engineers, Penn State Conference Center Hotel, through Sept. 26.

Tuesday, September 23
Fall State Tech Seminar, Penn State Conference Center Hotel.

Advanced Capillary Gas Chromatography, Penn State Conference Center Hotel, through Sept. 26.

Thursday, September 25
Subacute Care 1997: Beyond the Basics, Penn State Conference Center Hotel, through Sept. 26.

Forty-Third Annual Graduate Accounting Conference, Penn State Conference Center Hotel, through Sept. 26.

Sunday, September 28
Innovations in Distance Education Policy Symposium, Penn State Conference Center Hotel, through Sept. 30.

EXHIBITS

HUB Art Alley Panels
Kyle Eaddy on "Ninja Warriors," through Nov. 2.

HUB Browning Gallery
Scipitation by Marilyn Collins, through Oct. 31.

HUB Formel Gallery
■ "Beijing and Beyond: Women Artists Respond to the World Conference on Women," through Oct. 25.

■ Photos by Candace Leonard, "Focusing: 20th-Century Spanish Playwrights," through Oct. 20.

Kern Tail and Flat Cakes
Wood sculpture by Mike George, Sept. 23 through Oct. 19.

Palmer Museum of Art
"Our Town: A Selection of Town Views from the Pennsylvania Pantries," through Sept. 28.

"Photographs by the Steiglitz Circle, 1900-1930," through Dec. 7.

Pattee Library
"The Nittany Lion: An Illustrated Tale — The Exhibit," University Archives/Penn State Room, through Oct. 19.

Zoller Gallery
School of Visual Arts Sculpture Exhibition, through Sept. 26.

For a full listing of University Park activities, including sporting events, go to the Web at UPL/hac.psu.edu/calendar/

SEPTEMBER 19 - SEPTEMBER 28

Arts

continued from page 8

Zoller exhibits

The College of Arts and Architecture's Zoller Gallery will present two exhibitions: "Drawing into Sculpture" and "Allen C. Topolski: Recent Works," both on display through Tuesday, Sept. 30.

"Drawing into Sculpture" is an exhibition of small works by 11 nationally and internationally known artists including Joseph Beuys, Mel Edwards, Pamela Brown and Sallie McCorkle. Although all of the artists express separate artistic aims, drawing — or references to drawing techniques — binds the works together.

"Allen C. Topolski: Recent Works," is an exhibition of Topolski's recent sculpture.

Festival at Harrisburg

The Second Annual Community Arts and Crafts Fall Festival at Penn State

Harrisburg will be held from 10 a.m. to 4 p.m. on Saturday, Oct. 4. The event will feature non-stop free entertainment, free parking, an estimated 150 craft vendors and artists, activities and events for children and plenty of food.

Proceeds from the event to benefit the community go to the Olmsted Recreation Board which sponsors activities for children and youth in Middleton, Royallton and Lower Swatara Township. The recreation board is again sponsoring a daylong youth soccer tournament on the college fields as a highlight to the festival.

In addition, there will be a 10:30 a.m. groundbreaking for the \$1 million expansion of the college's Science and Technology Building.

Throughout the festival, School of Science, Engineering and Technology faculty members and students will be on hand in the Science Tech Building to provide information on engineering programs and careers.

For information on the Fall Festival,

call the Penn State Harrisburg Office of Special Events at (717) 948-6272.

Nittany Lion exhibit

"The Nittany Lion: An Illustrated Tale — The Exhibit" is on display in the University Archives/Penn State Room of Pattee Library on the University Park campus through Oct. 19. The exhibit contains photos, artifacts, personal papers and relics related to the publication of *The Nittany Lion: An Illustrated Tale*, by Penn State librarians Jackie R. Esposito and Steven L. Herb.

The exhibit details the major book themes: Joe Mason and the creation of the mascot, Henry Shoemaker and the Princess Nittanee legends, the original Nittany Lion, the carving of the Nittany Lion Shrine and the Men-in-the-Suit.

Kern display

The Kern Exhibition Area on the University Park campus will feature pho-

tographs of Spanish playwrights by Candace Leonard through Oct. 20.

Leonard's photos are an anthology of informal portraits of Spanish writers. She has a Ph.D. in Hispanic drama from Indiana University and is a professor in the Program in Humanities at Wake Forest University.

HUB exhibitions

The Formal Gallery in the Hetzel Union Building at University Park features the exhibit "Beijing and Beyond: Women Artists Respond To The World Conference On Women," through Oct. 25.

Inspired by the Non-Governmental Organizations Forum '95 and Fourth World International Conference on Women in China in the fall of 1995, the 60-piece exhibit features original works by female artists from around the world. The exhibition will include two- and three-dimensional works by women artists, whose works speak about their experiences at the conference and the messages those experiences brought home to each artist.

Career Days 1997 offers one-stop job hunting

Job hunting for University students may never be easier. In addition to the more than 250 companies gathering at The Bryce Jordan Center for Career Days 1997 from Sept. 23 to Sept. 26, students can get the inside scoop for the event at its Web site: <http://www.engr.psu.edu/careerdays>.

The site offers students a listing of which companies will be attending. Each firm's entry contains a short company description, a listing of open positions, majors desired and links to company home pages. For students new to the job hunt, the site offers information on what to expect and how to prepare for the four-day event. Students can find out what to wear, what to bring and the schedule of events through the site.

Employers recruiting students may use the site to learn more about the career fair. Companies can sign up online, learn about last year's career fair, explore the University, look up hotel accommodations and get directions.

More than 3,000 undergraduate and graduate students from the College of Engineering, The Smear College of Business Administration, the Eberly College of Science and the College of Earth and Mineral Sciences are expected to attend the event. Students will be able to learn about career opportunities, schedule interviews, submit resumes and gather information about companies from across the country. Last year, the event drew 162 companies and 2,600 students.

This year's Career Days is the largest yet, with more than 250 companies attending. This also marks the first year The Smear College of Business Administration joins the three other colleges in the event. In previous years, The Smear College held its own career fair.

"We wanted to make this a premiere event for both employers and students so we combined our efforts," said Doris McCool, coordinator of the corporate associates program in The Smear College. "The bottom line is employers asked for it."

Although most of the companies attending are from Eastern states, large employers — such as AT&T, Exxon, IBM, Intel, Microsoft, Kimberly-Clark and Michelin — are coming from the West Coast and Southern states. A number of local companies — such as Raytheon, Applied Research Laboratory, Corning-Asahi, MBNA Marketing Systems, MuRata Electronics and Norwest Financial — and several



Popular event

Last year's Career Days, held for the first time at the Bryce Jordan Center, attracted more than 2,600 students and 162 companies. For more information about this year's fair, contact Todd at (814) 863-1032 or e-mail amtocp@engr.psu.edu; McCool at (814) 865-0916 or e-mail dami1@psu.edu; or Susan Kneil at (814) 865-5000 or e-mail sek104@psu.edu.

branches of the Armed Forces also are scheduled to attend. In addition to full-time positions, many companies are seeking students for co-ops and internships.

The Career Days 1997 schedule is:

■ Tuesday, Sept. 23, 1 to 7:30 p.m.: Smear College of Business Administration students.

■ Wednesday, Sept. 24, 8:30 a.m. to 4:30 p.m.: Optional internship interview day for Smear College students only.

■ Wednesday Sept. 24, 11:30 a.m. to 1 p.m.: Career fair open only to faculty to talk with employers.

■ Wednesday, Sept. 24, 1 to 7:30 p.m.: Full-time career opportunities for students of the Eberly College of Science, College of Engineering and College of Earth and Mineral Sciences.

■ Thursday, Sept. 25, 9 a.m. to noon and 1 to 4 p.m.: Co-op and internship opportunities for students of the Eberly College of Science, College of Engineering and College of Earth and Mineral Sciences.

■ Friday, Sept. 26, 8:30 a.m. to 4:30 p.m.: Optional co-op and summer internship interview day for students of the Eberly College of Science, College of Engineering, and College of Earth and Mineral Sciences.

News in Brief

Health Matters

To register for the following program offerings, contact Jan Hawbaker at (814) 865-3085 or e-mail JQH3@psu.edu.

Enlightening Lunch — Wanted: Women-Oriented Care
Learn how to get what you need out of a medical encounter. Meets noon-1 p.m. Friday, Sept. 19, in 110 Henderson Building (The Living Center). Cost: None

Surviving the Winter Blues: Preventing Colds, Flu and Depression This Winter
Meets 12:30-2 p.m. Friday, Sept. 26, in 319 Rider Building. Cost is \$5, reimbursable to HealthAmerica HMO participants.

Commencement dates set

The University has set the following commencement dates for the University Park campus for 1997-98:

Fall semester 1997:

■ Sunday, Dec. 21
Undergraduate and associate, 1 p.m., Bryce Jordan Center.

The Graduate School, 4 p.m., Eisenhower Auditorium.

■ Spring semester 1998:
■ Friday, May 15, 1998
ROTC commissioning, 3 p.m., Schwab Auditorium.

University Scholars medal ceremony, 4:30 p.m., Eisenhower Auditorium.
Eberly College of Science, 8 p.m., Bryce Jordan Center.

College of Education, 8 p.m., Eisenhower Auditorium.

■ Saturday, May 16, 1998
College of Engineering, 9 a.m., Bryce Jordan Center.

College of Agricultural Sciences, 9 a.m., Eisenhower Auditorium.

College of Health and Human Development, noon, Bryce Jordan Center.

College of Arts and Architecture, noon, Eisenhower Auditorium.

College of the Liberal Arts, 3 p.m., Bryce Jordan Center.

College of Communications, 3 p.m., Eisenhower Auditorium.

The Smear College of Business Administration, 7 p.m., Bryce Jordan Center.

College of Earth and Mineral Sciences, 7 p.m., Eisenhower Auditorium.

■ Sunday, May 17, 1998
The Graduate School, 5:30 p.m., Eisenhower Auditorium.

Summer Session 1998:
■ Saturday, Aug. 8, 1998

Undergraduate and associate, 10:30 a.m., Bryce Jordan Center.

The Graduate School, 2 p.m., Eisenhower Auditorium.

Awards

Faculty honored for collaborative instructional, curricular innovation

A special program sponsored by the Office of the Provost acknowledging individuals for their work in collaborative instructional and curricular innovation has recognized several faculty members from across the University for their efforts. The program aims at recognizing outstanding collaborative teaching of faculty who also have demonstrated strengths as scholars and researchers and have contributed significantly to undergraduate and graduate teaching. Those honored this year include:

■ **Linda Angell**, assistant professor of operations management; **David Christy**, associate professor of management science; **Terry Harrison**, professor of management science; **Michael Pangburn**, assistant professor of operations management; and **Michael Hottenstein**, professor of operations management, all in The Smeal College of Business Administration, for their creation of an interdisciplinary, intercollege master's level program titled *Quality and Manufacturing Management*.

■ **M. Jeya Chandra**, associate professor of industrial engineering, **Renata S. Engel**, associate professor of engineering, **Calvin Harmonosky**, associate professor of industrial and management systems engineering, **Clayton O. Ruud**, professor of industrial engineering, and **Martin W. Tretheway**, professor of mechanical engineering, in the College of Engineering for a *Quality and Manufacturing Management* master's level program;

■ **Marilyn Eastridge**, assistant professor of kinesiology, and **Robert**

Eisenbraun, assistant professor of kinesiology, both in the College of Health and Human Development for incorporating collaborative and active learning into field experiences;

■ **Linda Caldwell**, associate professor of recreation and park management, and **Nancy Darling** in the College of Health and Human Development for their *Structure of Adolescent Leisure* project that provides undergraduates with an intense exposure to multi-disciplinary field research spanning three disciplines.

■ **Paul Sokol**, professor of physics, **Nitin Samarth**, assistant professor of physics, **Renee Diehl**, associate professor of physics, and **James Beatty**, associate professor of physics and astrophysics, all in the Eberly College of Science for their course in improving physics through advances in educational research and computing in a major studio course.

■ **M. Govekar**, assistant professor of management, **T. Palmer**, assistant professor of management, **J. Pinto**, associate professor of management, **M. Thomas**, and **J. Triller**, assistant professor of management, all at Penn State Erie, Behrend College, for their team-taught MBA course focusing on leadership dimensions from a variety of disciplines.

■ **Richard Bertram**, assistant professor of mathematics, **John Carl Panetta**, assistant professor of mathematics, and **Joseph Paulet**, assistant professor of mathematics, all at Penn State Erie, Behrend College, for their seminar course on mathematical biology that integrates the two disciplines

and introduces students at a research level with problem-based applications of mathematical modeling.

■ **James (Bud) Alcock**, associate professor of environmental science, and **Robert Avanzato**, associate professor, both from Penn State Abington for their coordination of CSE 275 and Geoscience 20 to create the GeoBOOTS — "Robots Doing Geology."

■ **Jack Ousey**, associate professor of earth and mineral sciences, and **Stance Kirker**, assistant professor of integrative art, **Elizabeth Buckmaster**, assistant professor, **Karen Hill**, associate professor of kinesiology, and **Sara Whildin**, associate librarian, from Penn State Delaware County for the "Freshman Semester Project Vision" program which uses studio and collaborative team learning to replace or minimize stand-up lectures.

■ **Eva Bueno**, assistant professor of Spanish, **Margaret Dunson**, **John Johnson**, professor of psychology, **Janet May**, mathematics instructor, from Penn State DuBois for their project to introduce Web-based learning experiences and technology course management into four courses: Spanish, biology, psychology and science, and technology and society.

■ **David Chin**, assistant professor of English, and **Kate Brennan**, English instructor, from Penn State Wilkes-Barre for the Summer Institute program that delivers collaborative and active learning to underprepared minority students making the transition to college. The courses focus on basic math and writing skills and using a computer environment.

Smeal College programs earn national citation

Penn State's Customer Relations Certificate Programs in The Smeal College have received a national "Innovation in Programs" award for outstanding innovation in educational programs provided for the employees of AT&T and Lucent Technologies.

The award was presented this month by the Alliance for Employee Growth and Development, a cooperative venture of AT&T, Lucent Technologies, the Communication Workers of America and the International Brotherhood of Electrical Workers to **Susan C. Lewis**, continuing education representative, Penn State Greater Pittsburgh, and **James D. Porterfield** in marketing who directs the academic content of the program.

The certificate programs are a continuing and distance education service of The Smeal College. The 11-credit customer relations certificate course emphasizes the role of effective business communication in customer service. It is a prerequisite for the 12-credit advanced customer relations certificate, which focuses on the role of customer service in a business' success. Completion of these certificate programs takes about 30 months, and all of the courses can be applied toward an associate degree in business administration at Penn State.

Penn College book lauded

A viewbook produced by the College Information and Community Relations Office at Pennsylvania College of Technology has captured a Grand Award from the Ninth Annual Awards for Publication Excellence (APEX '97). The competition for communications professionals in all fields received 4,200 entries and presented 50 Grand Awards. Penn College captured the sole Grand Award in the "Brochures, Booklets and Catalogs/Nonprofit" category for its "MORE" Viewbook, used in admissions recruiting.

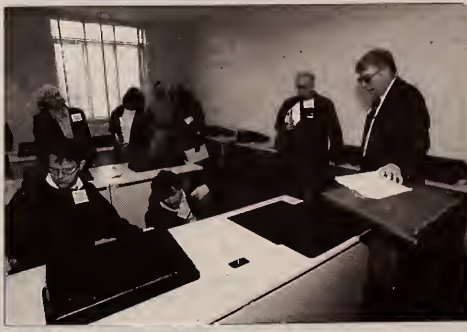
APEX entries are judged on excellence in graphic design, editorial content and overall communications effectiveness. Grand Awards are presented in 12 major categories to honor the outstanding work in those categories.

Road Scholars Tour wins excellence award

The Road Scholars Outreach Tour for New Faculty won a University Continuing Education Association (UCEA) Region II Award of Excellence in the faculty and staff development category. Award criteria include the effectiveness and innovation of approaches to personnel development.

The Road Scholars tour is an annual event, initiated by President **Graham B. Spanier** in 1996, to acquaint new faculty with campuses other than University Park and to demonstrate to them the impact the University has on business and industry in Pennsylvania.

The UCEA, founded in 1915, promotes expanded opportunities and high-quality continuing higher education on behalf of part-time students. With headquarters in Washington, D.C., UCEA has a membership of more than 400 public and private institutions. Region II of UCEA covers the District of Columbia, Maryland, West Virginia, Delaware, New Jersey, New York and Pennsylvania.



Tour 1997

Faculty members examined a technology room at Penn State Fayette during the 1997 Road Scholars Tour.

Photo: Greg Grieco

Appointments

Multi-faceted center appoints new director

Ruth Ann Bast has been appointed director of the Center for Hospitality, Recreation, Tourism, Outreach and Research. As director, Bast will be responsible for facilitating research opportunities and educational outreach programs for the School of Hotel, Restaurant and Recreation Management in the College of Health and Human Development.

Before assuming her current position, Bast was manager of customer relations for Penn State Executive Programs in The Smeal College of Business Administration.

A member of the School of Hotel, Restaurant and Recreation Management faculty since 1994, Bast's teaching interests include management, marketing and corporate finance. She holds a bachelor's degree in finance from Penn State and an MBA in finance from The Wharton School at the University of Pennsylvania.

Bast was a sales manager at the Penn State Conference Center in 1993. Before that, she was assistant director of trade show productions at the Houston Astrodon and a senior financial analyst at Sun Oil Co. in Radnor, Pa.

Director of development for University programs named

Phillip Bolda has been named director of development for University programs. Bolda joins the Office of Regional and University Programs within the Division of University Development and Alumni Relations.

He will work with donors and initiatives in several programs, including undergraduate student life, undergraduate academic programs, research and the Graduate School and international programs.

Bolda began his development career within higher education in 1980. He served as director of the annual fund for Ripon College and Colorado College; director of development at the Lake Forest Graduate School of Management, Saint Anselm College; and director of development at the Medical College of Wisconsin. He comes to Penn State from Northern Illinois University, where he was major gifts officer for the College of Business.

He received his undergraduate degree from Ripon College in 1975, with majors in English and political science. He received his MBA from the Keller Graduate School of Management in 1978.

Penn State Fayette names acting CEO, academic affairs director

Richard D. Cupelli, instructor of business logistics, will serve as acting campus executive officer of Penn State Fayette. He replaces August H. Simonen, who retired, and will serve in that role until a permanent CEO is named. In addition, James Crawford, associate professor of physics, has been named acting director of academic affairs.

Cupelli, who served as acting CEO at Penn State Fayette in 1991-92, has experience in campus administration. He served on the Commonwealth Educational System Strategic Planning Committee and provided leadership in the creation of the Commonwealth College.

Most recently, Cupelli served as acting director of academic affairs at Penn State Fayette.

As the new acting director of academic affairs, Crawford, a faculty leader and University faculty senator, is responsible for academic program planning and evaluation; faculty recruitment, assessment and development; planning and budget administration; and grant writing.

Associate professor named interim head of academic affairs

George W. Franz, associate professor of history and American studies at Penn State Delaware County, has been named acting director of academic affairs. Franz is replacing Madlyn Hanes, who has accepted the position of campus executive officer at Penn State Great Valley.

Since joining the Penn State Delaware County faculty in 1968, Franz has received numerous awards, including the Outstanding Teacher Award in 1989, the George W. Atherton Award for Excellence in Teaching in 1990, the Liberty Bell Award in 1992 and the College of the Liberal Arts Outstanding Faculty Adviser Award in 1993.

Franz received his B.A. from Muhlenberg College and his master's degree and doctorate from Rutgers University. Franz's scholarly and research interests include American colonial and revolutionary history, and colonial and revolutionary Pennsylvania.

A research committee is being formed to select a permanent director of academic affairs.

Associate dean for operations and planning joins the Graduate School

Lynne I. Goodstein has been named associate dean of the Graduate School for operations and planning.

Goodstein, professor of administration of justice and women's studies, joined the faculty in 1978 as assistant professor in the administration of justice department. She was promoted to associate professor in 1984 and to professor in 1994. She served as director of the Women's Studies Program from 1987 to 1994, and as a member of the University's Graduate Council from 1993 to 1996.

The author or editor of four books, 14 book chapters and 30 articles, Goodstein's scholarly interests include rape and the victimization of women; women in the criminal justice system; institutional and curricular concerns of women's studies programs; criminal sentencing; correctional institutions; and evaluation of the impacts of criminal justice reform.

Goodstein earned her Ph.D. in social psychology from the City University of New York. She is an associate editor of the journal *Criminology* and a member of the editorial advisory board of the *American Journal of Criminal Justice*. In 1996 she was elected executive counselor of the American Society of Criminology.

As associate dean, Goodstein will be involved in strategic planning and implementation activities; budgetary matters related to Graduate School operations; the deliberations of selected Graduate Council committees; preparation of special reports and analyses of graduate education issues; and representing the Graduate School on various committees and organizations internal and external to Penn State, including the Graduate School Alumni Society.

College of the Liberal Arts names distinguished professor

J. Philip Jenkins has been named distinguished professor of history and religious studies in the College of the Liberal Arts. His broad scholarly interests include British history from the 17th through the 19th centuries; Catholic history and contemporary

Catholic issues; the history of right-wing extremism in the United States; American social and political history ca. 1920-1960; the social construction of stereotyped "dangerous outsiders" such as cult groups, child molesters and serial killers; and new religious movements.

Since 1979, he has published 10 books; more than 90 articles and book chapters; and 50 reviews. His 1994 book, *Using Murder: The Social Construction of Serial Homicide*, won the Outstanding Book Award of the Academy of Criminal Justice Sciences and the Distinguished Scholar Award of the Crime and Delinquency Section of the Society for the Study of Social Problems. Among his other recent books are *Pedophiles and Priests: Anatomy of a Social Crisis* (1996) and *Hoods and Shirts: The Extreme Right in Pennsylvania c. 1925-1950* (1997).

Jenkins received his doctorate in history in 1978 from the University of Cambridge, England. In 1980, he was appointed assistant professor of criminal justice at Penn State. He has been professor of history and religious studies since 1993. In 1992, he became director of the Religious Studies Program. He was honored in 1996 with the Class of 1933 Award for Distinguished Humanities Scholarship at Penn State.

Jenkins teaches graduate and undergraduate courses in administration of justice, history and religious studies and serves on numerous department, college and University committees.

Penn State Altoona appoints new chief of police services

After nine years as an officer with Indiana University of Pennsylvania's campus police department, David Tedjeske has accepted the position of chief of police services at Penn State Altoona. He replaces Bob Archey, who retired. The Johnstown native, a graduate of Bishop McCort High School, was a sergeant with IUP's police department in charge of criminal investigations. Tedjeske earned an undergraduate degree from Indiana University of Pennsylvania in 1987 and a master of arts degree in 1993.

Computer Accounts Office welcomes new manager

Morris Weinstock, instructional programmer for the Center for Academic Computing Education Technology Services Division, has been promoted to manager of the Computer Accounts Office.

Weinstock had been an instructional programmer with Penn State's Education Technology Services (formerly CBEL) in the Center for Academic Computing since November 1990. Before his employment with Penn State, Weinstock worked as a database and instructional programmer with the Du Pont Co.

He has a bachelor of arts degree in computer science from the University of Delaware with a minor in psychology. While a student at the University of Delaware, he worked with instructional technology and the PLATO system.

Weinstock has presented at many conferences and has taught several national seminars on instructional development tools. He has developed a number of instructional programs and tools, and had managed technical support for ETS. He also is the past chair of the Commission on Lesbian, Gay and Bisexual Equity.



RUTH ANN BAST



J. PHILIP JENKINS

Faculty/Staff Alerts

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs, complete the registration form found in the back of the Fall HRDC catalog and fax it to (814) 865-3522.

LEADING THE TRANSFORMATION, LDR 056 — Learn strategies for communication, cooperation and empowerment. Sept. 23, 1:30-3:30 p.m., 319 Rider Building. Cost: \$29.

POWERFUL COMMUNICATION SKILLS, COM 005 — Sept. 24, 9 a.m.-4 p.m., 319 Rider Building. Cost: \$89.

THE SCRIBE'S ROLE: CONSTRUCTING MEETING MINUTES THAT WORK, COM 049 — Sept. 25, 1-4 p.m., 319 Rider Building. Cost: \$44.

WRITING SKILLS, COM 006 — Sept. 25, 9:30 a.m. to noon, 319 Rider Building. Cost: \$199.

INTRODUCTION TO AMERICAN SIGN LANGUAGE, COM 023 — Sept. 26, 8:30-11:30 a.m., 319 Rider Building. Cost: \$44.

Shaver's Creek events

Shaver's Creek Environmental Center will hold its annual Family Wildlife Arts Festival from 10 a.m. to 4 p.m. Saturday, Sept. 27, and from 11 a.m. to 4 p.m. Sunday, Sept. 28. Celebrate Pennsylvania's wildlife with Shaver's Creek, the Pennsylvania Game Commission and several area wildlife artists. Admission is \$2.50 per person for members and non-members, with children age 3 and under admitted free. Proceeds benefit the wildlife at Shaver's Creek.

As part of the festival, the Game Commission will sponsor an amateur wildlife photography contest. To submit photos to the contest, contact Don Garner at (814) 643-1831.

The center has a variety of other activities planned for September. Registration is required for each program.

- **Beaver Tales at Dusk, Sept. 19, 6 to 7:30 p.m.** After an introduction at the center, stroll to the cove to listen for the slap of a tail and to glimpse these fascinating creatures. Fee: non-members, \$4; members, \$3; children 12 and under, \$2.50
- **Beginning Birdwalk, Sept. 20, 7 to 9 a.m.**

These programs are designed to teach the basics to beginners, but experienced bird watchers also may join the group and share their expertise. Fee: non-members, \$4; members, \$3.

- **Local hike, from the top of Big Flat, Sept. 21, 10 to 4 p.m.**

Meet in the parking lot of the Pennsylvania Military Museum in Boalsburg to carpool to the trailhead for this three-mile, level hike. Enjoy the great views overlooking Bear Meadows and the surrounding ridges and learn about local flora and fauna. Fee: non-members, \$5.50; members, \$4.

For information on membership or any of the programs, call (814) 863-2000 or (814) 667-3424, or visit the center's Web site at <http://www.cde.psu.edu/ShaversCreek/>.

Golf Classic

The Fifth Annual Penn State Engineering Society Golf Classic will be held Saturday, Sept. 27, at the Penn State Blue Course on the University Park campus. Tee-off begins at 9 a.m. Proceeds from the tournament will benefit the society's newly established endowment for undergraduate student scholarship. The Golf Classic is a scramble format and is open to the public. A barbecue lunch will follow the game.

For more information on registration or sponsorship, contact Cindy Jones, director of alumni relations, College of Engineering at (814) 863-3384; e-mail cjdo@psu.edu.

Science writers to meet

The Penn State chapter of the National Association of Science Writers will hold its first meeting of the academic year at noon Tuesday, Sept. 30, in 201 Kern Building on the University Park campus. The group will catch up on summer experiences and plan the next series of meeting topics.

NASW brownbag lunch-time programs are open to anyone interested in science communication. For more information, contact Andrea Messer at (814) 865-9481 or e-mail aem1@psu.edu.

Educational opportunities

■ The Penn State University Cooperative Wetlands Center, Millbrook Marsh Nature Center and Children's Museum of Centre County are sponsoring "It's Wet! It's Wild! It's a Day at Millbrook Marsh!" for children ages 8-14 from 10:30 a.m. to 4 p.m. Saturday, Oct. 4. Sleuthing through the marsh, searching for beaver and muskrat, peering at scuttling water critters through a microscope, birdbanding and sculpting at the water's edge are a few of the activities youths will experience at the Millbrook Marsh Nature Center. Cost: \$20 for museum members, \$25 for non-members. Scholarships are available for the event. To register for either program, call (814) 237-5555.

■ The College of Engineering and Children's Museum of Centre County present "Shocks, Shorts and Shenanigans" for children ages 10-12 from 4:50-5:30 p.m. Wednesdays, Oct. 8 to Nov. 12. This is a hands-on introduction to basic concepts of electrical engineering and how they are used in everyday devices. Participants will explore static electricity, magnetism, motors and generators, radios and computer logic. Cost: \$60 for museum members, \$75 for non-members.

Proposal deadline

The Institute for the Arts and Humanistic Studies has announced the proposal deadline for the next funding period (January-June 1998). Proposals for individual faculty grants, faculty research groups and planned programs are due at Hilseng Cottage on the University Park campus by 5 p.m. Wednesday, Oct. 15. Guidelines may be obtained from 103 Hilseng or by calling (814) 865-0495.

Reminder

The closing date for receipt of Evan Pugh Professorship nominating materials is Friday, Oct. 31. All nominations must be submitted in accordance with established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. For current nomination guidelines, call (814) 863-9580, e-mail vxiz2@psu.edu or visit 304 Old Main, University Park.

Get it online

A revised edition of the *Staff Employee Handbook* has been issued to all full-time staff employees by the Office of Human Resources and can now be accessed online. This online version will be updated regularly in order to reflect changes in University policies, services and facilities.

In addition, benefits forms and information are now available online.

To access the handbook on the Web, go to <http://www.ohr.psu.edu/relations/staffhandbk.htm>; for benefits forms, go to <http://www.ohr.psu.edu/benefits/forms.htm>; and for benefits information, go to <http://www.ohr.psu.edu/benefits/benefits97.htm>.

Comments about the handbook should be sent to Angela Johnson, Office of Human Resources, at amj109@psu.edu.

Do-it-yourself searching

The University Libraries Do-It-Yourself Searching Service is available Monday and Wednesday evenings from 6 to 9 p.m. in 105 East Pattee Library.

This service gives students, faculty and staff a chance to do their own computer searches using a choice of more than 150 dial-up databases in a variety of subjects. Self-study guides provide users with the basic skills needed to do searches, but for best results users are advised to consult a librarian in their subject area. The search process is similar to CD-ROM searching but more databases are available, and it provides more years of coverage. For University students, faculty and staff, many searches are provided free of charge.

For more information, contact the service search coordinator at (814) 865-3705 or jah@psu.libraries.psu.edu. To make an appointment, call the Life Sciences Service Desk at (814) 865-7056.

Gift ideas sought

The 1998 Senior Class Gift Committee is seeking proposals from anyone in the University community for an appropriate gift. Proposals can be detailed plans or simple ideas.

The committee is looking for a gift that would cost about \$100,000 and would benefit the most students for the longest period of time. Gift proposals will be reviewed by a volunteer committee of students, faculty and administrators and placed on a ballot for senior class voting.

For more information, contact committee chair Paula Shaki or committee adviser Sue Powell at (814) 863-2052. Proposals are due Tuesday, Sept. 23, and may be delivered to 17 Old Main or e-mailed to srlgift@psu.edu.

Reminder

Because the Emc2 mail system was eliminated on July 3, the mail hosts @OAS.PSU.EDU and @FSUADMIN are obsolete. Mail sent to these hosts is undeliverable. References to these obsolete addresses on Web pages should also be updated.

For a listing of alternatives for Emc2 features and functions, visit the Web at <http://www.oas.psu.edu/news/emc2.htm>.

University Libraries offer access to engineering database

Students, faculty and staff now have access to the world's most comprehensive interdisciplinary engineering database through the Web. CompendexWeb, the Web-based version of the Compendex database, covers engineering literature such as journal articles and conference papers from 1970 to the present. More than 220,000 abstracts are added each year.

Located at <http://cpxweb.ei.org>, the system logs visitors on automatically if they are connecting from an on-campus computer or via a Penn State access account. Compendex Web will replace the EIP database and the Compendex CD-ROMs as the University Libraries' primary database access to the engineering literature.

Education names campaign chair



RICHARD WISE

The College of Education has selected Richard Wise as chair of its committee for the capital campaign, Penn State's comprehensive fund-raising effort.

Wise will serve as a spokesperson for the College of Education's goals and objectives, enlist other volunteers to serve on the campaign committee, accompany staff on solicitation visits and provide guidance and leadership.

He is president and co-founder of Valuenet International Inc. in Hartford, Conn., a management consulting firm that provides strategic planning, executive training and development, inventory management, overhead expense reduction and other services. Before starting Valuenet, he was director of corporate training for The Travelers.

Objectives of the campaign, the monetary goal of which has not been set, include:

- Providing undergraduate scholarships to keep education at Penn State competitive, affordable and accessible, and merit scholarships to retain the brightest and best students.

- Investing in graduate education fellowships to recruit and retain exceptional students in the college's master's level and doctoral programs.

- Investing in faculty enhancement, teaching and training to attract and retain outstanding faculty.

- Providing endowment support to sustain the Penn State Educational Partnership Program (PEPP), an early intervention program for at-risk middle and high school students designed to increase retention and graduation rates, and to encourage post-secondary education.

Wise received his master's (1976) and doctoral (1980) degrees in instructional systems at Penn State. He and his wife, Kathy, who received a master's degree in counselor education from Penn State in 1977, have been long-time supporters of the University. Throughout the years, the Wises have made many financial contributions to the college. They belong to both the Mount Nittany and the Atherton societies.



Bugging bugs

Children and adults alike enjoyed last year's Great Insect Fair, sponsored by the Department of Entomology. This year, the fair will be held from 10 a.m. to 4 p.m. Saturday, Sept. 20, in and around the Ag Sciences and Industries Building on the University Park campus. Those attending the fifth annual event will see insects perform amazing feats of strength and agility—in relative terms—at the Insect Olympics and Peep Show. In addition to such attractions as cockroach races, children and their families will be able to match their own physical skills to those of six-legged competitors. The day also will feature "Water World," an exhibit of aquatic insects; displays of social insects, such as ants and honey bees (including a live, working hive); an insect petting zoo; tours of the Frost Entomological Museum; displays on garden pests; fly-twing demonstrations; insect collections and collectors; balloons, face-painting and an insect puppet show; and an Insect Deli, where delicacies such as mealworm stir-fry and chocolate-covered chirpies (crickets) will be served. Admission is free, although donations will be accepted. Free parking is available in the Orange A lot at the corner of Curtin and Bigler Roads. For more information, call the entomology department at (814) 865-1895.

File photo courtesy of the College of Agricultural Sciences

Partings

Police chief served University 37 years

Bob Archey, Penn State Altoona's chief of police services, has announced his retirement. He has been with the University for 37 years.

Archey began his career at Penn State in 1961 with University Park's Ordinance Research Lab, now the Applied Research Lab. In 1971, he took a position with University Park's campus security patrol.

"I always had an interest in law enforcement," said Archey, who has since graduated from numerous law enforcement academies and classes.

During his 14-year stay at University Park, Archey, a resident of Tipton, helped in the unit's transformation into an armed campus police department.

In 1985, Archey moved to Penn State Altoona and aided that campus security force's transition to an armed unit.

While Archey said he will miss the camaraderie of working with Altoona's faculty, staff and students—and working Penn State football games—he will occupy his time fishing, biking and working with Pennsylvania's Game Commission.

Several announce their retirements

William C. Brown, senior extension agent in College of Agricultural Sciences, from Dec. 1, 1964, to July 1.

John L. Hershbine, senior research programmer in Computer and Information Systems, Center for Academics, from Aug. 31, 1979, to July 1.

Patsy L. Hollobaugh, staff assistant IV in the University Libraries, from Sept. 19, 1967, to June 30.

Charles V. McCullough, director of sports clubs in Intercollegiate Athletics, from Sept. 1, 1971, to June 30.

Jane Meyers, residence hall, utility worker in Housing and Food Services, from March 2, 1982, to June 28.

Mary Strauss Noll, associate professor of English and women's studies at Penn State New Kensington, from Sept. 1, 1974, to July 1.

Joyce A. Parsons, staff assistant V in College of Agricultural Sciences, from May 1, 1972, to June 28.

Robert M. Peters, senior project associate in College of Earth and Mineral Sciences, from July 1, 1974, to June 30.

Ron Petak, Penn State Altoona registrar, has retired after 29 years of service. Petak, an avid golfer who is involved in several church activities, spent all of his years as campus registrar while occasionally teaching classes.

Yoshimitsu Takei, associate professor of education in College of Education, retired Sept. 1, after 27 years of service.

Research

 Intercom
 September 18, 1997 **15**

Extreme heat stressful for elders, even at rest

 BY BARBARA HALE
 Public Information

In extreme heat waves, young and old don't suffer alike. A study has found that, although both the healthy young and old may report similar discomfort, tolerate similar temperature levels and endure similar exposure times, their cardiovascular responses are very different. Even at rest, healthy men over age 64 had a decreased ability to pump and redistribute blood to the skin to cool their body core in extreme heat. The older men's hearts also had to work harder compared to a group of men 18 to 27 years old.

Christopher T. Minson, doctoral candidate in kinesiology, and his adviser, W. Larry Kenney, professor of physiology and kinesiology, conducted the study.

"During heat waves, older individuals who don't have air conditioning — particularly if they have heart disease — need to be in cooler surroundings since the chance of them having cardiovascular problems is significantly increased," Minson said. "Even average healthy older people should be careful and get into cooler conditions to minimize the strain on their hearts."

The study was specifically designed to examine the heat stress sedentary older people experience during serious heat waves like the one in Chicago in 1995 during which 733 people died. Kenney said, "When older people die during a heat wave, they usually are not exercising. They are typically sitting in a very hot room without air conditioning. And they seldom die of heat stroke; rather there is almost always an underlying cardiovascular cause."

In the experiments, eight men 64 to 81 years old and eight men 18 to 27 years old donned special body suits



Chris Minson, left, doctoral candidate in kinesiology, and his adviser, W. Larry Kenney, professor of physiology and kinesiology, prepare to run tests on Gretchen Keising. Minson is studying the differences in tolerance to heat in healthy young and old subjects.

Photo: Greg Grieve

that rapidly raised their skin temperature to just below the pain threshold, about 108 degrees Fahrenheit. The suits have a system of tubing through which the experimenters piped water kept at 122 degrees.

Catheters in each arm and one threaded through a vein to a position just above the heart were used to measure the men's blood flow to the skin, the liver and the kidneys as well as the filling pressure of the heart. The heart's pumping capacity also was monitored. The men were asked

to rest quietly in the heat until they couldn't take it any more.

Minson said the older men's outward appearance wasn't different from the younger ones' during heating and their reports of how they felt didn't differ either. Their tolerance to the heat stress also was similar. The shortest exposure time, 45 minutes, was recorded by an older man but so was the longest exposure time, 85 minutes.

However, their skin blood flow was markedly different as was the

energy expended by the heart to pump blood. The younger men experienced increased skin blood flow 2.5 times greater than that observed in the older men.

"The hearts of the older men were just not doing the job that the younger ones' were doing. The older individuals' left ventricles were stressed much more by the heating than the younger ones'," Minson said.

The study is the first to examine a very high level of heat stress in old and young people at rest.

Age plays larger role than ads in alcohol consumption levels

Television and radio advertising for beer and wine reinforces brand loyalty but does not significantly increase either consumption or demand, a study shows.

In addition, the graying of America may be responsible for a decline in U.S. per capita consumption of alcoholic beverages since the late 1970s.

"The drop in per capita consumption of ethanol or pure alcohol is attributable to an increase in the proportion of the population aged 65 and over and simultaneous decline in the proportion of the population aged 18-29," said Jon P. Nelson, professor of economics.

Studies have already shown that alcohol use declines with age, especially among the elderly, and the proportion of abstainers increases with age for both sexes.

"Thus, government policy makers would be ill-advised to issue laws and regulations affecting alcohol advertising in the hope that these will automatically drive down consumption," Nelson said. "My published studies have already shown that state bans of price advertising and restrictions on billboard advertising on alcohol beverages do not lead to a reduction in drinking."

Nelson used quarterly data for 1974-90 to weigh the significance of

economic and demographic factors on patterns of alcohol consumption.

Total alcohol consumption in the United States has not increased since the mid-1980s and is now at about the same level as in the mid-1960s, Nelson said. Measured on a per capita basis, liquor consumption has been declining since 1975, beer since 1980 and wine since 1985.

"Three possible explanations may account for this," Nelson said. "First, advertising in slow-growth industries does not create demand. Product sales determine the level of advertising, rather than the reverse."

Second, increases and decreases in advertising around some base

level are often associated with the introduction of new products. A prime example would be the growth and decline of consumption and advertising of wine coolers. Third, advertising in slow-growth industries affects how much of the market the individual brand has captured, with little or no effect on overall demand for that product.

"The overall aging of the American population is proving more effective at reducing alcohol consumption than anti-advertising campaigns could probably ever be, since advertising does not seem to affect the total amount of alcohol consumption," Nelson said.

ATHLETICS

A regular column provided by Intercollegiate Athletics

On the radio

WMAJ Radio (1450 AM) in State College will carry a schedule of fall sports events including men's and women's soccer, field hockey and women's volleyball. A total of 13 broadcasts are planned. Check local listings for the events and broadcast times.

Nominated I

The Penn State Football Story, the TV program that airs statewide and in a number of cable markets outside Pennsylvania, has earned two Mid-Atlantic Region Emmy nominations for 1996-97. This is the fourth consecutive year the weekly football highlight show has been nominated for a regional Emmy in at least one category.

Nominated II

Football wide receiver Joe Jurevicius is among 30 candidates for the Biletnikoff Award, which annually goes to the nation's outstanding receiver. Jurevicius, a senior, has an average of 19.6 yards-per-catch on 55 career receptions.

Rene's List

Rene's List, a special fund that helps to promote the women in 14 sports at Penn State, has grown to include 600 people. This year, the transition of the fund into a more encompassing initiative will provide an opportunity for all fans of the University's women's program to get involved.

For information, contact Katina Mack at (800) NITTANY or (814) 865-9462.

Honored

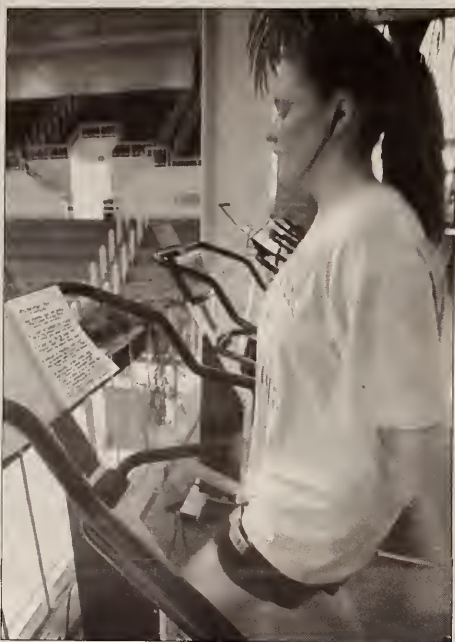
Senior volleyball player Terri Zemaitis won Big Ten "Player-of-the-Week" honors for her MVP performance in the Ikon-Husky Invitational.

For the latest information on Penn State sports, visit the official Intercollegiate Athletics' Web site at <http://www.psu.edu/> (Click on sports).

For the Record

Robin Anderson is coordinator, process improvement in Computer and Information Systems. Her title was listed incorrectly in an article on page 8 of the Aug. 21 *Intercom*.

Dr. William S. Pierce, Evan Pugh professor emeritus of surgery, was inadvertently omitted from a listing of current Evan Pugh professors in a story on page 5 of the Aug. 28 *Intercom*. Pierce was appointed an Evan Pugh professor in 1986.



Double duty

Student Christie Boylan works out at the McCoy Natatorium on the University Park campus while studying. The Natatorium and other sites on the campus have a variety of exercise facilities available to faculty, staff and students.

Photo: Greg Grieco

Carpoolers

■ Carpoolers from Philipsburg to University Park wanted for working hours 7:45 a.m. to 4:45 p.m. Call Melissa at 865-3497 or e-mail mzcl4@psu.edu.

■ Third person needed for carpool

from Howard or Beech Creek to University Park. Working hours are 8 a.m. to 5 p.m. Call Cherish at (814) 865-7696 or Amanda at (814) 863-6747 or email cbg2@psu.edu or ajf9@psu.edu.

PENNSTATE INTERCOM

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Find us on the Web at <http://www.psu.edu/intercom/>
Penn State is an affirmative action, equal opportunity university. This publication is available in alternate format.

Book helps teachers refine their methods

When *The Penn State Teacher* first came out in August 1993, people likened it to a Norton *Anthology of Teaching* for University faculty and teaching assistants. Now Penn State's Center for Excellence in Learning and Teaching (CELT) is coming out with a new edition of the book.

The first edition offered a wide range of advice on teaching, most of it pragmatic and concrete. The new edition, *The Penn State Teacher II: Learning to Teach, Teaching to Learn*, also combines nuts-and-bolts advice with a range of individual voices. As they did in the first edition, these voices echo and amplify the guidebook's practical advice. Sometimes they explore more philosophical issues of teaching and learning.

The new edition includes:

■ General suggestions for creating and delivering good lectures, along with a presentation on incorporating problem-solving techniques into the lecture format, by John Lowe, award-winning chemistry professor.

■ Tips for the first day of class, juxtaposed with an essay on the ways the first class of the course sets the tone for the rest of the semester, by Katie C. Armstrong, an undergraduate student in environmental resource management.

■ Guidelines for leading effective discussions, backed by a commentary on the dangers and opportunities involved in discussion sessions, by John Moore, award-winning associate professor of English and comparative literature.

Diane Emerson, director of the center, rewrote and edited the book in collaboration with Kathryn Plank, the center's associate director; Neill Johnson, programs coordinator; and Susanna Milner, a graduate assistant at the center.

A full description of the center and what it does, as well as many of its resources, are online at <http://www.psu.edu/ce/elt/>. For more information, or to be added to the center's mailing list, call (814) 863-2599 or e-mail CELT@psu.edu.

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INTERCOM

September 25, 1997

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Volume 27, Number 6

Conference draws leaders in diversity field

By KAREN WAGNER
Public Information

More than 400 representatives from higher education and industry learned that managing diversity means focusing on issues other than race, gender and sexual orientation. "Best Practices in Diversity" was the subject they gathered to discuss Sept. 18-20 at University Park in this first-ever collaboration.

"Successful management of diversity requires that we acknowledge the fact that diversity already exists in the workplace, be they generational issues, family care issues or dress preference," said Roosevelt Thomas Jr., keynote speaker and president of the American Institute for Managing Diversity.

"Employing and supervising a workforce with any kind of differences generates tensions. Executives need to clearly outline goals, guiding principles and realistic outcomes that center on work requirements — not personal preferences," he said.

Thomas gave the example of an executive upset by the sight of a male employee sporting a ponytail. Before he could issue an ultimatum he was stopped by another executive enthused about the employee's talent, performance and contributions.

"It can be a struggle to set aside your personal preferences and focus on the work of the company," said Thomas.

In introducing Thomas, President Graham B. Spanier emphasized Penn State's commitment to access — making its teaching,

See "Diversity" on page 2



Sweet music

Elizabeth Lyon, one of four family members who make up the Lyon Family Chamber Ensemble, played the cello before a press conference of the Commission for the Advancement of the Arts. Lyon is 8 years old, and has been playing cello for three years. The event was held to discuss progress made by the group in promoting the arts. The group focuses on finding new opportunities for town/gown collaboration to foster an appreciation and understanding of the arts.

Photo: Greg Grieco

Master plan for University Park taking shape

By LISA M. ROSELLINI
Public Information

The verdict is in. More green space, less traffic and a shift in the academic core toward Beaver Stadium are concepts identified by the University Park community of how the campus should look in the coming decades.

In the latest in a series of meetings held to gather input on the Campus Master Plan — the document that will guide development of the University Park campus over the next 25 to 30 years — consultants said people clearly favored retaining current open areas, like the lawns of the HUB and Old Main, and creating new green spaces. In addition, limiting vehicles on campus and increasing pedestrian safety were also pinpointed as preferred concepts. The plan calls for, among many things, the realignment of some roadways, a possible pedestrian overpass, construction of new parking garages and buildings not less than four stories high.

With the capacity to expand its academic buildings

See "Master plan" on page 2

University to dedicate powerful research tool

On Oct. 8 the Hobby-Eberly Telescope, a joint project that helped produce one of the world's premier astronomical research tools, will be dedicated at The University of Texas McDonald Observatory in Fort Davis, Texas — and Penn State played a major role in its formation. The *Intercom* will cover this important scientific event in the Oct. 15 issue.

Sitting at the top Mount Fowlkes in the Davis Mountains of west Texas, the Hobby-Eberly Telescope (HET) is a joint project of The University of Texas at Austin, Penn State, Stanford University, Ludwig-Maximilians-Universität München, and Georg-August-Universität Göttingen. The construction of the telescope was funded in part by Penn State philanthropist Robert E. Eberly. The instrument is named for both Eberly and

See "Telescope" on page 3

Inside



Museum to celebrate 25 years

The Palmer Museum of Art on the University Park campus will mark 25 years of existence with an eight-month celebration starting in October. As part of the festivities, the Creamery has created "Palmer Mouseum with Almonds." To find out more, see page 7.



Churchgoing declines

Penn State researchers have noted that church attendance in the rural South is not what it used be. For more, see Focus on Research on page 15.

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Master plan

continued from page 1

by more than 94 acres over the next two decades, the University Park campus must establish a basic long-term, organized plan for growth that can accommodate the expected need for better facilities.

Dick Rigerink of Johnson, Johnson & Roy Inc., master plan consultants, explained that the planning team is looking at three levels of detail: the campuswide pattern from the golf course across Atherton Street on the west to the Mount Nittany Expressway (322) on the east; subcampus or district patterns in specific blocks across campus, such as the area around Old Main; and the preferred broad principles and concepts that will guide the entire master plan, such as a desire for more green space and the expansion of the vehicle-free zone across campus.

The planning team consists of JJR Inc., lead campus planners, KCF/SHG, architectural consultants, and Travers Associates, transportation and traffic consultants. Rigerink stressed that the master plan process merely identifies general directions the University can take and is not an implementation project.

During the planning team's last visit in June, three alternatives for the master plan were presented. Of the three, the one that Rigerink said was the unmistakable favorite was the alternative that doubled the amount of open areas on campus.

Under this scenario, not only would Old Main lawn, the HUB lawn and Hort Woods (along Park Avenue) remain intact, but new areas — such as Pollock Field, a section of the current parking Lot 80 (near Park Avenue and Bigler Road) and pedestrian corridors linking major existing open spaces — would be opened up. One such corridor identified by planners is a stretch from Pattee Library to The Bryce Jordan Center, which would create a major east/west pedestrian passageway. Another potential pedestrian corridor would be the extension of the East Mall to beyond Pattee Library over to Hort Woods, which would add two acres of open area and provide a major north/south corridor through campus. Currently, the Forum Building stands in the way of such a plan, but Rigerink said as the building



The Campus Master Plan currently under discussion for University Park takes into account growth in the area from North Atherton (on the west) to Porter Road on the east.

wears out within the next 15 years, it should not be rebuilt in the same spot. A portion of Hammond Building, which faces College Avenue, should also be removed, the planners said, to open up the barrier it presents and allow a view of the old president's house and the new Alumni Center that will be constructed on the grounds behind it.

The planners said most new buildings would be constructed to the east of the central part of campus, shifting the academic core out toward Beaver Stadium. In this plan to move east, a Visitor's Center could sit on the corner of Porter Road and Park Avenue on land that is currently used for agricultural purposes. Planners also said one- and two-story buildings are an inefficient use of space and only four-story or five-story structures should be an option. Under the plan, a portion of Parking Lot 80 would be used for academic structures and a parking deck.

"A lot of our building sites are on existing parking lots," Rigerink said. "But we are keeping the supply and demand of parking spaces in balance by relocating them."

Rigerink was referring to the four areas identified in the master plan as potential locations for parking garages. They include an area on the

most western edge of West Campus (across Atherton); where the Applied Science Building now stands; Lot 80, off of Bigler Road; and just off of University Drive, south of Shields Building.

"Although we are keeping the parking spaces in balance, we want people to bicycle, walk or carpool," Rigerink said. Which is why a plan for a bicycle path which links to other paths in the State College area will be drawn up as the process moves forward.

As academic buildings move eastward, they will occupy ground currently used by the Athletic Department. To accommodate such a shift, land currently used as grazing fields would be taken over by the Athletic Department and the grazing areas would eventually transfer to the other side of the expressway. The consultants said to handle this expansion Porter Road would need to be shifted out toward the expressway and become the link for the proposed Eastern Inner Loop for the region, instead of University Drive. The Inner Loop is a plan being discussed by local governments to create a road that would divert traffic around the University and State College.

Rigerink called University Drive

the "Atherton of the future," and said a pedestrian overpass might be necessary there as the campus expands eastward. The planners envision College Avenue as the primary community road, while Park Avenue has been pinpointed as primarily a campus access road. To limit the number of vehicles traveling through campus, traffic on Pollock Road and a portion of Shaff Road from Curtin Road to Pollock would be prohibited. Buses only would be allowed on certain sections of roadway within the current campus core area.

One concern Rigerink said has been expressed through open meetings is how the development plan for the 53-acre West Campus (across Atherton) fits into the current discussions of the Campus Master Plan and the shift eastward. The consultant said they are currently looking at the West Campus plans, which may be revised to keep the buildings closer to Atherton and the academic core.

"We are looking for the West Campus to be self-sufficient, meaning you can park there," Rigerink said. "We are entertaining variations to that plan, however."

The next open meeting on the Campus Master Plan is slated for Nov. 12.

Diversity

continued from page 1

research and service initiatives available to a broad and diverse public.

"Diversity is inherent in our collective commitment to access. It is essential to the quality of education for all students," Spanier said. "Yet, what seems so straightforward conceptually, can be difficult and complex."

Herbert Z. Wong, an industrial and

organizational psychologist and a consultant on multicultural leadership strategies, discussed diversity training and programming initiatives.

Wong said the best diversity programs include careful assessment of the current workplace culture, reward and recognition for those who support diversity and guiding principles for management and employees.

"The organizations that use the best diversity practices also have a process for accountability. They monitor the

progress of those initiatives," he said.

Other organizations and institutions selected to present included Michigan State, Ohio State, University of Michigan, University of Wisconsin, University of Illinois, Indiana University, Purdue University, University of Kentucky, Penn State, Corning Ashai, PPG Industries, Sprint Business, Kodak, HR Donnelly and Sons, Shakti for Children and The Winters Group.

The conference was a continuing and distance education service of Penn

State's Commission on Racial/Ethnic Diversity and the College of Education in collaboration with the Committee on Institutional Cooperation. It was supported, in part, by Penn State's Alumni Association, the Office of International Programs, and Penn State's Office of the Executive Vice President and Provost; DuPont, Merck Pharmaceuticals, DuPont, Ingersoll, Eastman Kodak, AT&T, FMC Corporation, Cigna, Corning Ashai and Lucent Technologies.

Campaign for United Way kicks off

With enthusiasm and confidence, volunteers have officially launched the 1997 University Park Campus United Way Campaign.

J.D. Hammond, dean of The Smeal College of Business Administration and campus chair, announced a goal of \$475,000 for this year's campaign.

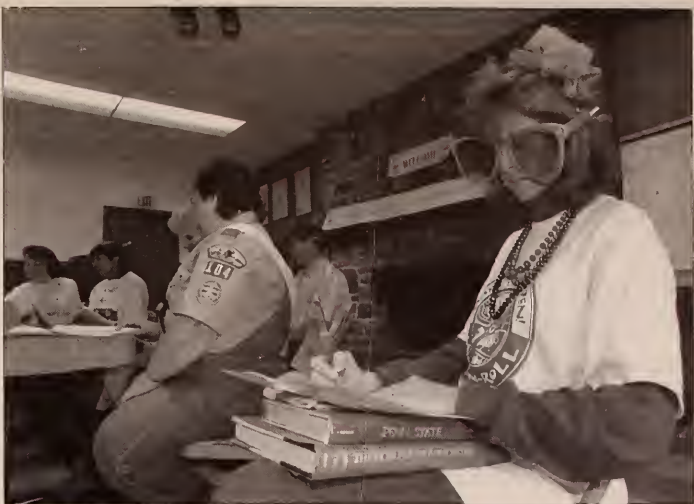
The campus goal was announced at a kickoff breakfast for the Centre County United Way, which supports 35 social service agencies. The county-wide campaign hopes to raise \$1.45 million.

Hammond said he and leaders of the county campaign have visited all of the college deans and administrative unit heads at University Park.

"We stressed the importance of the United Way and what we hope they would accomplish. I feel very positive about every single one of our visits," he said.

The United Way's Pacesetter campaign, which ran through August, raised \$520,926, an increase of 16 percent over last year. The Penn State Campaign Steering Committee, which participated for the first time as a Pacesetter group, reported raising \$10,621.

The video produced for the Centre County United Way was shown at the kickoff breakfast. It was produced by Chuck Ungar, senior producer-director at WPSX-TV.



Acting Up

Employees in Undergraduate Education kicked off their United Way Campaign with a skit, "It Was a Wonderful Life," which depicted a community without a United Way. From left are Donna Meyer, Sue Irwin, Deloris Brobeck, Mark Hinsh, Linda Ellenberger and Shelby Hoy. Undergraduate Education is sponsoring a new United Way event, "Walk 'N Roll," at 10 a.m. Saturday, Oct. 4, at Recreation Building on the University Park campus. Individuals who want to walk, skate or ride a bicycle in the event may pre-register by calling (814) 865-5379 or (814) 466-7530.

Photo: Greg Grieco

Students build new telescope's first scientific instrument

By BARBARA K. KENNEDY
Eberly College of Science

Two Penn State graduate students built and tested the first scientific instrument for one of the world's largest, most powerful and most economical optical telescopes, the new Hobby-Eberly Telescope, which is scheduled for its grand-opening ceremony on Oct. 8. Two Penn State undergraduate students built and tested calibration devices for the instrument.

Used for gathering information on stars, galaxies and planets and more, the spectrograph instrument (UFOE), which astronomy graduate students Jason Harlow and David Andersen built in the basement of Penn State's Osmond Laboratory on the University Park campus, recently produced the telescope's first scientifically interesting information, according to their supervisor Lawrence W. Ramsey, a Penn State professor of astronomy and astrophysics and the telescope's project scientist. Undergraduate students Lester Chou and Eric Mamajek did their work on the instrument's calibration devices in the Department of Astronomy at Penn State.

The Hobby-Eberly Telescope is uniquely designed for spectroscopy—the collection and analysis of light from astronomical objects such as comets, planets, stars and galaxies. Spectroscopy provides astronomers with a wealth of information, such as what stars are made of, how far away they are and how fast they are moving. Astronomers will use the telescope to search for planets in orbit around other stars, learn more about the "dark matter" that surrounds galaxies and refine theories about how stars and galaxies are born and how they die.

"We are going to get exciting new science from this telescope," Ramsey said. "Plus, it already is giving us a wealth of fantastic training opportunities for the next generation of scientific leaders."

In addition to building the UFOE spectrograph, Harlow helped to install it at the telescope site in the Davis Mountains of West Texas at The University of Texas McDonald Observatory at Fort Davis. Another young Penn State scientist, distinguished postdoctoral Fellow Christopher Churchill, developed the software that will be used by virtually all scientists who

"On practically a zero budget, the students recycled and upgraded an older instrument that we had built here in the mid-1980s

— Lawrence W. Ramsey
the telescope's project scientist

analyze data from the UFOE instrument.

Ramsey says the UFOE spectrograph, which was designed specifically for testing and commissioning the telescope, was built for a tiny fraction of the cost of the higher-quality operating instruments currently planned for future installation on the telescope.

"On practically a zero budget, the students recycled and upgraded an older instrument that we had built here in the mid-1980s," he said. "It recently has produced test spectra of sufficient quality to serve as a guide for planning the telescope's science

Telescope

continued from page 1

William P. Hobby, who served as lieutenant governor of Texas from 1973-91.

The Hobby-Eberly Telescope is uniquely designed to collect and analyze light from astronomical objects such as comets, planets, stars and galaxies using a technique called spectroscopy.

The telescope is already generating international interest in the scientific community for pioneering innovative, collaborative and cost-conscious science. There will be more to come on this significant scientific breakthrough in future issues of *Intercom*.

program."

The Hobby-Eberly Telescope is a joint project of Penn State, The University of Texas at Austin, Stanford University, Ludwig-Maximilians-Universität München, and Georg-August-Universität Göttingen.



Former Clinton adviser to talk politics at Erie

ABC News analyst George Stephanopoulos will present "Politics: The Art of the Impossible" at Penn State Erie, Behrend College, at 7:30 p.m. Tuesday, Sept. 30. His lecture, which is free to the public, will take place in the Reed Union Building Commons.

Stephanopoulos is a member of the round table on "This Week." In addition, he appears regularly on "Good Morning America" and other ABC news programs.

Before joining ABC in January 1997, Stephanopoulos served as senior adviser for policy and strategy in the Clinton White House, and was a key strategist in Clinton's 1992 and 1996 presidential campaigns. He oversaw polling, policy, scheduling, press relations and media operations. He also ran the now famous "war room" with political strategist James Carville. In an interview near the end of 1996, Stephanopoulos said he was leaving the White House to "recharge and



GEORGE STEPHANOPOULOS

rethink," and that he planned to continue speaking, writing and teaching.

Before his involvement with the Clinton campaign, Stephanopoulos served as administrative assistant to House Majority Leader Richard Gephardt and as deputy communications director for the Dukakis presidential campaign.

Stephanopoulos grew up near Cleveland. He received his undergraduate degree in political science from Columbia University, where he currently serves as a visiting professor. He received his master's degree in theology and ethics from Balliol College at Oxford University in England, where he studied as a Rhodes Scholar. He was selected a Truman Scholar in 1978 and elected to Phi Beta Kappa in 1982.

Stephanopoulos' presentation continues the 1997-98 Penn State-Behrend Speaker Series. For more information, call (814) 898-6171.

How advertising perpetuates stereotypes discussed Oct. 1

For many years, advertising has been criticized for the role it plays in reinforcing and perpetuating sex-role stereotypes.

Two Harrisburg-area Oct. 1 film and discussion presentations by Sabrina Chapman, director of the Center for Women's Studies at University Park, will address the effects of advertising on women.

Chapman, also affiliate assistant professor of sociology and women's studies, will speak on "Women's Images and Advertising" at 8 a.m. at the Penn State Harrisburg Eastgate Center, 1010 N. Seventh St., and at 1 p.m. in Penn State Harrisburg's Gallery Lounge. Both presentations are free to the public.

Active in women's advocacy and the women's studies field for a num-

ber of years, Chapman has conducted numerous educational programs, workshops and professional development seminars on women's issues across the nation. These presentations have focused on various aspects of her teaching and research interests in women in higher education; the interconnections between sexism and homophobia; and the intersections of racism and sexism.

Her Harrisburg topic will be considered in the context of a continuum of behavior, which begins with sex-role socialization and stereotyping and includes institutionalized sexism, gender and sexual harassment, and ultimately, violence against women.

For information or a reservation for the Eastgate Center presentation, call (717) 772-3590.

Faculty development workshops offered

The Office for Minority Faculty Development is offering several workshops this fall. All tenure-track and junior faculty are welcome to participate. The workshops slated for the University Park campus for this year include:

■ **Vitae Development:** The first in the series, this workshop is being offered from 2-5 p.m. Friday, Sept. 26, in 114 Kern Building. James B. Stewart, professor and vice provost for educational equity, will speak.

■ **Advancing from Associate to Full Professor:** Scheduled for 3-5 p.m. Friday, Oct. 24, in the Board Room of The Nittany Lion Inn. The four speakers include: Terry Etherton, distinguished professor of dairy and animal science; Grace Hampton, professor and executive assistant to the provost for the development of the arts; Murry Nelson, professor of education and American studies; and James Stewart, professor and vice provost for educational equity. To make a reservation for this workshop, call Laura Trinca at (814) 863-1663 by Wednesday, Oct. 22.

■ **Publishing — Mastering the Art:** The last in this series, this workshop will be held from 9-11:30 a.m. Saturday, Nov. 8, in 114 Kern Building. Hector E. Flores, professor of plant pathology and biotechnology, and director of the STS Program, will speak. To make a reservation for this workshop, call Laura Trinca at (814) 863-1663 by Tuesday, Nov. 6.

Sloan-Kettering neurologist to speak at Hershey

Dr. Kathleen M. Foley, co-chief of the Pain and Palliative Care Service and attending neurologist at Memorial Sloan-Kettering Cancer Center, New York, will visit The Hershey Medical Center on Sept. 29-30 as the Driskill Lecturer in Palliative Care.

Foley will present a public lecture titled "Palliative Care as Managed Care," at 4 p.m. Tuesday, Sept. 30, in the hospital auditorium. In addition, she will conduct rounds and consultations with members of the medical center's pain medicine and palliative care team and meet with interested medical students, faculty and hospital staff.

In addition to her duties at Memorial Sloan-Kettering, Foley is professor of neurology, neuroscience and clinical pharmacology at Cornell University Medical College and director of the World Health Organization Collaborating Center in Cancer Pain Research and Education. She is currently director of the Project on Death in America of the Open Society Institute, a multi-million dollar, philanthropic effort to improve the culture and quality of dying in the United States.

For more information on Foley's visit, contact David Barnard, professor and chair of humanities, at (717) 531-8779.

Business lecture aims to improve efficiency

Most of us abhor the thought of waiting in line. But do we have a choice?

The next installment in the Current Issues in Business lecture series sponsored by the Penn State Harrisburg School of Business Administration on Oct. 8 will feature Karen L. Brown, assistant professor of management science, and a look at how customers can select the appropriate queue in some service firms, and how manufacturers might benefit from the same selection technique.

The noon presentation is free to the public at the Penn State Harrisburg Eastgate Center, 1010 N. Seventh St. in Harrisburg.

Brown's discussion will focus on: how to manage and schedule jobs; how does scheduling in service firms differ from scheduling in manufacturing firms; how has technology affected competition in service firms; is there an incentive for service firm managers to reduce waiting time for customers; how can customers choose the queue which best suits their needs; and how can this concept be extended to the manufacturing firm.

A member of the Penn State Harrisburg faculty since 1993, Brown has experience in public accounting, financial institutions and non-profit organizations. Her current research interests include performance measures for service firms and agencies.

To register for the presentation, call the Penn State Harrisburg Eastgate Center at (717) 772-3590.

Deacons discuss call to service at Catholic fellowship

The nighttime Cardinal Bernardin Catholic Faculty and Staff Fellowship continues this semester on the University Park campus with a presentation on Monday, Oct. 13, from noon to 1 p.m. by Deacon Laszlo Ivanits of the Penn State Catholic community and Deacon Joseph Mazurkiewicz of St. John the Evangelist in Belfonte. They will discuss "The Permanent Diaconate: A Call to Service in God's Church. What's It All About?"

Other talks in the series include:

■ **Tuesday, Oct. 28:** "Sacred Oratory and Audience: Preaching in Medieval Society," by S. Casciani, assistant professor of Italian, Penn State;

■ **Monday, Nov. 10:** "The Missionaries of Charity: Serving the Poorest of the Poor," by Father Michael Becker, vocation director for the Altoona-Johnstown Diocese; and

■ **Monday, Dec. 1:** "But Who Do You Say That I Am?" Jesus in Modern Scholarship," presented by P. Jenkins, distinguished professor of religious studies, Penn State.

All talks will be held in 212 Eisenhower Chapel and are open to the public.

More Lectures

Future of land-grant universities explored

Clemson University will broadcast a six-part satellite teleconference focusing on the future of land-grant universities. Each broadcast of "21st Century Land-Grant Universities: Action on Issues" can be viewed at University Park, where attendees can take part in the discussions via telephone. A videotape of the Sept. 4 broadcast, "Reworking Success: New Communities at the Millennium," featuring Robert Theobald, futurist and author of *The Rapids of Change* and *Turning the Century*, is available in 139 Agricultural Administration Building.

The remaining broadcasts are:
■ Oct. 2: "Position Description: A Key to Scholarship." 11:30 a.m. to 1 p.m., 301A Ag Administration Building. C. J. "Bud" Weiser, dean emeritus, College of Agricultural Sciences, Oregon State University, and author of *The Value System of a University—Rethinking Scholarship*. Response: Lyla Hougum, dean of extended education and director of the Extension Service at Oregon State University and a member of the board of the Oregon Family Community Leadership program.

■ Nov. 4: "Changing Expectations of Faculty Roles and Responsibilities." 11:30 a.m. to 1 p.m., 301A Ag Administration Building. R. Eugene Rice, director of the Forum on Faculty Roles and Rewards, American Association for Higher Education, and author of *Making a Place for the New American Scholar*. Response: Dolores M. R. Spikes, president of the University of Maryland-Eastern Shore.

■ Dec. 11: "The College of Agriculture at a Turning Point in its History." 11:30 a.m. to 1 p.m., 301A Ag Administration Building. James H. Meyer, chancellor emeritus, University of California, and author of a series of books and articles on transforming the College of Agriculture in the U.S. Response: Walter A. Hill, dean of the School of Agriculture and Home Economics and director of the G. W. Carver Agricultural Experiment Station, Tuskegee University.

■ Jan. 8, 1998: "The Ongoing Evolution of Land-Grant Universities." 11:30 a.m. to 1 p.m., 301A Ag Administration Building. James T. Bonnen, professor emeritus of agricultural economics, Michigan State University, and author of *The Land-Grant Idea and the Evolving Outreach University*. Response: Leroy Davis, president of South Carolina State University.

■ Feb. 26, 1998: Panel Discussion: NASULGC Kellogg Commission on Higher Education. 11:30 a.m. to 1 p.m., 301A Ag Administration Building. Land-grant university presidents lead a dialogue on taking action on higher education issues.

Videotapes of each broadcast will be available in 139 Agricultural Administration Building.

For more information, call the Keystone 21 Project office at (814) 865-0114 or e-mail PAFSPE@psu.edu; or call the South Carolina Agriculture and Forestry Research System at (864) 656-3140 or visit the Web site: <http://hova.adec.edu/>.

Ecological literacy lecture, discussion set for Oct. 3

David Orr, professor and chair of the Environmental Studies Program at Oberlin College and author of the contemporary classics *Earth in Mind* (1994) and *Ecological Literacy* (1992), will present a lecture on "Reassembling the Pieces: Ecological Literacy in Higher Education" at 3 p.m. Friday, Oct. 3, in 111 Forum Building on the University Park campus. An open discussion will immediately follow in room 115 Ferguson Building. The lecture and discussion session are free to the public.

Orr, best known for his pioneering work in ecological literacy and campus ecology, is education editor for *Conservation Biology* magazine and a member of the editorial advisory board for *Orion Nature Quarterly*. Author of more than 90 published articles and co-editor of *The Campus and Environmental Responsibility* with David Eagan (1992) and *The Global Predicament* with Marvin Soroos (1989), Orr is currently working to design and construct a new Environmental Studies Center on the Oberlin campus.

For more information, contact Hector Flores, director, S.T.S. Program, at (814) 865-3043, fax (814) 865-3047 or e-mail hf1@psu.edu; or Chris Uhl, ecology program, at (814) 863-3393 or e-mail cfu1@psu.edu.

Lecture series opens with book-inspired talk

Franco Ricci, associate professor of Italian at the University of Ottawa in Canada, will open the Fall Lecture Series of the Department of Spanish, Italian and Portuguese on Oct. 8 at University Park.

Ricci, an internationally recognized Calvino scholar, received his Ph.D. in Italian studies from the University of Toronto, is the executive secretary of the American Association of Italian Studies, has authored or edited four books along with numerous articles in books and professional journals, and has spoken at many national and international conferences.

Ricci will speak on "Painting with Words, Writing with Pictures: Italo Calvino and Paul Klee," discussing the connection between the Italian writer's texts and the images of the Swiss abstract painter. The lecture is derived from a book slated for publication later this year.

Ricci's presentation will begin at 8 p.m. in 102 Chambers Building. It is free to the public.

Erie features series of science seminars

The Division of Science at Penn State Erie, Behrend College, is hosting a series of seminars this fall. They include:

■ Oct. 16 at 12:15 p.m. in Science 101: "Using Calculus and Differential Equations in an Astronomical Problem," presented by Roger Knacke, astronomy, Penn State-Behrend;

■ Nov. 7 at noon in Science 101: "Modeling the HIV Virus," presented by Denise Kirschner, Department of Microbiology and Immunology, the University of Michigan Medical School.

■ Nov. 13 at 11 a.m. in Reed Lecture Hall: "Ecology of Puerto Rican Streams," by Mark Pyron, biology, Penn State-Behrend.

For more information, please contact the Division of Science at (814) 898-6105 or visit the Web at: <http://euler.bd.psu.edu/science/seminar.html>

Center for Women Students offers variety of lecture topics

The remaining fall events lecture schedule on the University Park campus for the Center for Women Students follows:

■ Monday, Oct. 6: "Farm Workers' Struggle for Justice," 7 p.m., 112 Kern Building. Presented by Dolores Huerta, educator, labor organizer, lobbyist, and co-founder and first vice president of the United Farm Workers of America, AFL-CIO, currently serving as secretary-treasurer. In 1993, Huerta was inducted into the National Women's Hall of Fame and awarded both the ACLU Roger Baldwin Medal of Liberty and Eugene V. Debs Foundation Outstanding American award.

■ Tuesday, Oct. 7: "What You Don't Know Will Hurt You: What Every Student Should Know About Rape/Sexual Assault," 7:30 p.m., East Halls. Facilitated by Sandra Faulkner, CWS graduate assistant; Jill Dworzanski, co-director, Womyn's Concerns; Tammy Overand, co-director, Womyn's Concerns; and Janie Rayman, member, Womyn's Concerns.

■ Wednesday, Oct. 8: Film/discussion — "Campus rape," 7:30 p.m., East Halls. Susan Dey and Corbin Bersen are hosts for this video about rape on college campuses. Womyn talk about their experiences with stranger and acquaintance rape. Residence hall and personal safety issues are also discussed.

Facilitated by Linda LaSalle, CWS assistant director.

■ Monday, Oct. 13: "Values in The Community" lecture, 7:30 p.m., HUB Fishbowl. Presented by Ira Harkavy, associate vice president and director for Community Partnerships, University of Pennsylvania.

■ Wednesday, Oct. 22: "Relationship Violence," noon to 1 p.m., CWS Resource Room, 120 Boucke Building. Presented by Linda LaSalle, CWS assistant director. Discussion will address characteristics of relationship violence and preventive measures. Presented in conjunction with Domestic Violence Awareness Month.

■ Tuesday, Nov. 4: "Values in The Community" program: "Can We All Get Along? Student Perspectives on Community at Penn State," 7:30 p.m., East Halls All Purpose Room.

■ Wednesday, Nov. 12: "Classroom Climate for Women," noon to 1 p.m., CWS Resource Room, 120 Boucke Building. Presented by Sabrina C. Chapman, CWS director. Commentary/discussion will consider what a "chilly classroom climate" means and how it is reflected in the academic curriculum, faculty and instructor/student interactions.

■ Tuesday, Nov. 18: Panel discussion: "Men and

Feminism," 7:30 p.m., HUB Gallery Lounge. Panelists include Matt Golden, undergraduate engineering student and former co-director of Penn State's Men Stopping Rape; Mike Johnson, associate professor of sociology and women's studies; Terrell Jones, associate vice president for educational equity; and Roger Schwenke, graduate student in engineering and treasurer, Womyn's Concerns.

■ Wednesday, Nov. 19: Commentary/discussion — "Gender Communication," noon to 1 p.m., CWS Resource Room, 120 Boucke Building. Presented by Sandra Faulkner, CWS graduate assistant, and Linda LaSalle, CWS assistant director. Discussion will focus on gender differences and similarities in close relationships and the implications of different perspectives on gender.

■ World AIDS Day, Monday, Dec. 1: Film/discussion — "Confronting AIDS in Rural America," noon to 1 p.m., CWS Resource Room, 120 Boucke Building. Presented by Kim Krnich, WPSX producer/director. This documentary examines attitudes about AIDS, homosexuality and the NAMES Project AIDS Memorial quilt as found in State College. It speaks to the ongoing debate regarding the moral issues of the disease and the perceptions people have about its victims.

Search under way for Materials Research Institute director

Nominations and applications are invited for the position of director of the Materials Research Institute. The position became open when Stewart Kurtz left to become affiliated with the Industrial Research Office in the Research and Technology Transfer Organization. This is a part-time position that will require a commitment of 20 percent to 25 percent time on an annual basis. The search is being conducted internally and the position is available immediately. The director of the Materials Research Institute reports to the vice president for research.

The Materials Research Institute is an umbrella organization established to serve the research, educational and

service missions of academic units engaged in materials research including the College of Earth and Mineral Sciences, the College of Engineering, the Eberly College of Science, the College of Agricultural Sciences, the Intercollege Materials Research Laboratory, the Applied Research Laboratory, numerous college-based research centers engaged in materials research and the intercollege graduate degree program in materials.

Responsibilities for the position include: strategic planning and the identification of new research and educational thrusts for the materials community at Penn State; the facilitation and formation of research teams that can respond to opportunities for

significant interdisciplinary and cross-cutting team research; the organization and sponsorship of events (seminars, workshops, industry visits, etc.) that enrich the intellectual and professional environment for materials faculty and students; and the supervision of a small core staff.

The qualifications for the position include:

- Tenured professorial appointment in one of the departments involved in materials research;
- Demonstrated leadership and interpersonal skills;
- An entrepreneurial approach to pursuing the MRI agenda;
- Commitment to high-quality

disciplinary and interdisciplinary research and graduate education in the fields of materials; and

— An ability to foster cooperation in a multi-unit, multi-college environment.

The search committee will begin to review applications and nominations on Oct. 10 and continue to receive them until a candidate is selected. Women and minorities are encouraged to apply. Letters of application, accompanied by a curriculum vitae and nominations may be submitted to: Michael Coleman, chair, MRI Director Search Committee, 304 Old Main, University Park, Pa. 16802.

Diversity video series available for purchase

A new video series that examines racism, sexism, gender issues and sexual orientation on America's college campuses is now available through Penn State Media Sales. The four-part Penn State Diversity Series was produced by the Office of Educational Equity, the Affirmative Action Office and WPSX-TV at Penn State.

While college classrooms and universities have always fostered diverse groups of people and ideas, the complications of today's society brings a price to such diversity. The Penn State Diversity Series was created as a training tool and, while not designed to provide comprehensive answers, does provoke further group discussion and thought.

Programs in the series include: "OUTlook;" "Diversity Issues in the Classroom;" "Diversity Issues in Higher Education;" and "Sexual Harassment: A New Look at an Old Problem."

■ "OUTlook" was produced by six college students and offers a cinema verité look at the lives of several undergraduate members of the Penn State lesbian, gay and bisexual community. Candid interviews help highlight some of the issues that affect these students on a daily basis, including violence, harassment and discrimination.

■ "Diversity Issues in the Classroom" is a look at four case studies including racism, gender bias, diversity as a subject matter and an instructor with a language bias. Short dramatic vignettes are followed by panel discussions. (Winner of the 1996 National University Continuing Education Association Region II Faculty and Staff Development Award.)

■ "Diversity Issues in Higher Education" consists of five case studies each dealing with a different aspect of diversity. Dramatic vignettes include international students; lesbians, gays and bisexuals; those with learning disabilities; adult learners; and multicultural education issues.

■ "Sexual Harassment: A New Look at an Old Problem" has five vignettes illustrating typical cases that may be reported to an affirmative action office on a large university campus. The incidents include, overt, conscious harassment initiated by both male and females. (Winner of the 1996 National University Continuing Education Association Division for Women: Creative Programming, Short-Term Award)

Purchasing information and more information on the Penn State Diversity Series can be obtained by calling (800) 770-2111, or by sending e-mail to MediaSales@cde.psu.edu.



Photos: Greg Grieco



Team players

Rick Hettinger, top, and Wes Cartwright, left, are two members of a team of key players at Penn State home football games on the University Park campus. No, they don't suit up with pads and helmets. Hettinger is a paramedic with the University's Emergency Medical Services unit, on hand at Beaver Stadium to provide medical assistance when needed to any of the more than 96,000 people in attendance at each game. Cartwright, also a member of the University's Emergency Medical Services unit, is busy before each home football game preparing advanced life-support bags at the unit's facilities under the stadium. All equipment is checked out before each home game. The next Saturday they'll work is Oct. 11, when Penn State plays host to The Ohio State Buckeyes.

Break out the silver

The Palmer Museum turns 25, and it's celebrating in style

The Palmer Museum of Art on the University Park campus is celebrating its 25th anniversary from October 1997 through May 1998. During these eight months, the museum will feature 25 years of gifts in special exhibitions and installations throughout the galleries.

The museum will kick off its 25th anniversary from 1 to 4 p.m. Sunday, Oct. 5, with a 25th Anniversary Community Celebration. At this open house for the entire community, a variety of activities such as balloon twisting, chalk drawing and face painting as well as performances by the Pennsylvania Dance Theatre will provide fun and entertainment for young and old alike. Cake and "Palmer Mousseum with Almonds" ice cream from the University Creamery will be served. On the same day, the Center for the Performing Arts will present productions at 1 and 3 p.m. of "An Ire-ish Tale," part of its Wide-Eyed Wonders series for children, in Eisenhower Auditorium.

More than half the museum's collection has come through gifts from individuals and organizations. Many of the paintings, sculptures and decorative arts are regularly on view in the permanent collection galleries. However, due to their fragile nature, more than 1,700 works on paper are shown only on the occasion of special exhibitions or when requested by faculty for study by their students. In this collection area, there are more than 1,200 fine art prints representing a rich variety of artists and printmaking techniques from the 16th through the 20th centuries.

A select group of these prints donated to the museum will be on exhibition in "25th Anniversary Exhibition I: Prints from the 16th through Early 20th Centuries" from Sunday, Oct. 5 to Sunday, Dec. 21. The collection represents a broad range of artists and subject matter. It includes religious subjects by German artists Albrecht Dürer and Hans Sebald Beham, and Dutch artist Rembrandt



On display

"Landscape, Venice, 1925-1926," an oil on canvas work by Marsden Hartley will be on display Sept. 30 through Dec. 14 as part of the "Marsden Hartley: American Modern" exhibition at the Palmer Museum of Art on the University Park campus. The museum is celebrating its 25th anniversary with several exhibits, an open house and other events.

Harmensz van Rijn; social commentaries by the printmakers William Hogarth and Honoré Daumier; Japanese landscapes by Andō Hiroshige; and abstractions and figural studies by Pablo Picasso, Georges Rouault, André Derain and Lyonel Feininger. Two other American artists represented in the exhibition are Joseph Pennell and John Taylor Arms. Both were prolific printmakers and are especially known for their engravings of city and industrial views.

"The museum's collection has grown in large part due to the generosity of our donors. Many of our contributors have been associated with Penn State as students, faculty and staff. Many others also have made gifts to the museum because they believe in what the museum is doing for the University and community. They know that museums like the Palmer, not located in a major city,

have perhaps even greater needs than the larger and older institutions in their own regions," said Jan Keene Muhler, museum director.

Muhler said that donations have come from as far away as West Hollywood, Calif., and Houston, Texas, and as close to University Park as Port Matilda and Lock Haven.

Other exhibitions on view during the fall include: "Photographs from the Stieglitz Circle, 1900-1930" through Dec. 7; and "Marsden Hartley: American Modern" from Sept. 30 to Dec. 14.

The Palmer Museum of Art, on Curtin Road near the University Creamery at University Park, is open 10 a.m. to 4:30 p.m. Tuesday through Saturday; and noon to 4 p.m. Sunday. Admission to the museum is free. For more information, contact the museum office at (814) 865-7672.



Students recognize good teaching

A tenet of CQI is improvement through decisions based on data. However, in relation to a university's key processes, skeptics wonder: "Are students able to evaluate teaching quality? Are these data any good?"

Hundreds of studies, some dating to the 1920s, have shown that student ratings of instructors and courses can be reliable and valid. Studies also show that those ratings are little influenced by class size, time of day, expected grade and so on. Two Penn State reports recently addressed this important topic.

At the September University Faculty Senate meeting, Michael Doors (on behalf of the Faculty Teaching, Development and Evaluation Committee) gave a report on the Student Rating of Teaching Effectiveness. The SRTe was developed at Penn State, but is similar to other, more widely used forms. The committee's analysis found results much like those in the literature. Expected grades statistically explained only about 5 percent of the variation in student ratings of instructor quality. The effects of other factors, such as class size and course level, were even weaker.

A separate study, led by Fern Willis as part of an Alumni Teaching Fellow project, was published this summer. Her methodology (student and faculty surveys) was different, but results were similar.

"The most powerful predictor of students' overall evaluation of a course was the amount they felt they had learned."

Commenting on both studies, Doors said, "We've examined considerable objective evidence, in general and at Penn State, and on balance it doesn't support blanket criticisms of student ratings."

For more information about the SRTe analysis, contact Doors at (814) 863-8721. Copies of the report by Willis, Betty Moore and Diane Enerson are available through the Center for Excellence in Learning and Teaching, at (814) 863-2599.

For information about Continuous Quality Improvement, contact Louise Sandmyre, executive director of the Center for Quality and Planning, at (814) 863-8721, LES@psu.edu or see the center's Web site at <http://www.psu.edu/president/cqi>.

Two Behrend programs gain accreditation

Two programs at Penn State Erie, Behrend College, have been accredited by the Accreditation Board for Engineering and Technology (ABET). Behrend's baccalaureate programs in electrical engineering and mechanical engineering have received accreditation, and ABET has reaccredited the college's baccalaureate programs in electrical engineering technology, mechanical engineering technology and plastics engineering technology.

Penn State-Behrend's electrical engineering and mechanical engineering programs, established in 1994, received ABET accreditation on the first attempt. The accreditation is retroactive to students who graduated in 1996.

Representatives from the Engineering Accreditation Commission and the Technology Accreditation Commission spent several days at Penn State-Behrend during the 1996-97 academic year, reviewing records, meeting with faculty, staff, administrators and students as part of the process.

The reaccredited baccalaureate technology programs also received their original accreditation as soon as they were eligible: electrical engineering technology and mechanical engineering technology in 1991 and plastics engineering technology in 1993. The college's associate degrees in electrical engineering technology and mechanical engineering technology have been accredited since 1956.

ARTS & ENTERTAINMENT

AT PENN STATE



That's entertainment

The 1996 Olympic Gold Medal winning women's gymnastic team will perform at The Bryce Jordan Center at 7:30 p.m. Friday, Nov. 28. For more information, call (614) 863-1812.

Chamber recital

Pianist Carl Blake, associate professor of music and associate director of the Institute for the Arts and Humanistic Studies, will perform chamber music with guest artists at 8 p.m. Saturday, Sept. 27, in the School of Music Recital Hall on the University Park campus.

Assisting artists in the free program, which celebrates Felix Mendelssohn Bartholdy on the 150th anniversary of his death, will be members of the Alard Quartet, mezzo-soprano Suzanne Loerch and cellist Stephen Feldman, instructor of music.

Student drawings

An exhibition of drawings by first-year architecture students in visual communication courses taught by Howard Ray Lawrence, assistant professor of architecture, will be on display at the Schlow Library Art Gallery in State College until Thursday, Oct. 2.

Seven large black line drawings on white field are shown. The drawings explore the relationships of objects and spaces to disrupt a sense of gravity or a point of view. Each drawing is produced by a group of students.

Palmer exhibit

The Palmer Museum of Art opens a new exhibition, "Marsden Hartley: American Modern," on Tuesday, Sept. 30. Organized by Patricia McDonnell, curator of the Weisman Art Museum at the University of Minnesota, the exhibition features more than 50 works by this notable American artist. It will run through Sunday, Dec. 14.

"Marsden Hartley: American Modern" offers a new and important retrospective of Hartley, tracing his evolution in both art and philosophy. The artwork, text panels and accompanying catalog will explain Hartley's shifting artistic practice and beliefs in the context of changing cultural and political realities.

Concurrent with this exhibition, the Palmer Museum will present "Photographs from the Stieglitz Circle," an exhibition that includes artists' portraits and works.

Bach's Lunch

The Penn State Clarinet Choir, directed by Smith Toulson, professor of music, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 2, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Tea party

The HUB Craft Center instructors from the University Park campus are spearheading a reception, or "Mad Hatter Tea Party," in conjunction with Marilyn Collins' exhibit in the Browning Gallery, from 8-10 p.m. Friday, Oct. 24. The reception is free to the public. The only criteria for admittance to the "Mad Hatter Tea Party" is that everyone must wear a hat. A jazz ensemble will perform and refreshments will be served.



BRYCE JORDAN CENTER

Upcoming events

- Oct. 10: NBA Basketball
Tickets: \$42.00, \$35.00, \$19.50, \$15.00 and \$10.00 for reserved seating, on sale now.
- Oct. 29: The Beach Boys with Chicago
Tickets: \$37.75, \$28.75 and \$25.25 for reserved seating, on sale now.
- Oct. 25: The Counting Crows with Dog's Eye View
Tickets: \$24.50 and \$22.50 for reserved seating, on sale now.
- Nov. 28: The John Hancock Tour of Gymnastics Champions
Tickets: \$33.50, \$26.50 and \$18.50 for reserved seating, on sale now.

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart ticket outlets, Commonwealth Campus ticket outlets, or by calling (814) 865-5555 locally, or toll-free at (800) 863-3336.

For more information on Bryce Jordan Center events, visit the Web at <http://www.bjc.psu.edu/>.

Instructors' exhibition

The Art Alley Cases on the first floor of the Hetzel Union Building on University Park campus feature a mixed-media art exhibit by the HUB Craft Center instructors, through Dec. 8.

Eleven instructors are participating in the exhibit, which includes paintings, drawings, lithographic prints, hand-made jewelry, ceramic pottery, sculptures and photography. Many of the items are for sale. Call the HUB Information Desk (814) 865-2000 for HUB hours.

Book Shelf

Adam J. Sorkin, professor of English at Penn State Delaware County, published the second, revised and enlarged edition of *Transylvanian Voices: An Anthology of Contemporary Poets of Cluj-Napoca*. Sorkin is editor and co-translator with Liviu Bleoca of the Romanian Ministry of Foreign Affairs and the Center for Transylvanian Studies, Cluj (a few poets were translated with other co-translators). Sorkin wrote the introduction and compiled brief notes on the poets. The 208-page book was published in Iasi, Romania, by The Center

for Romanian Studies. Containing 152 poems by 23 poets, including 14 Romanian-language writers, eight Hungarian-language writers and one German-language Cluj poet, the second edition almost doubles the contents of the first, 1994 edition. The ancient city of Cluj is the traditional cultural center of Transylvania, and for a long time the city enjoyed multiple poetic traditions that have since been dispersed by emigration. Sorkin and Bleoca's volume is the only multi-ethnic anthology of writing in print in Romania today, and one of

the few current volumes uniting writers still in Romania with those now part of the late 20th-century Romanian diaspora.

Beginnings and Discoveries: Polydore Vergil's De Inventoribus Rerum, an unabridged translation and edition by Beno Weiss, professor and director of the Italian program, and Louis C. Pérez, professor emeritus of Spanish, has been published by De Graaf Publishers, The Netherlands.

The book, Vergil's most important work, is the first translation into English of the entire text of the 16th-century treatise, which deals with

Renaisance knowledge throughout Europe. Hallmarks of the work are its exact scholarship on a wide range of subjects and its rationalistic approach. So influential was the encyclopedic text that it was considered dangerous by the church and was listed in the *Index of Forbidden Books*.

This unabridged edition of Polydore Vergil's *De Inventoribus Rerum*, with an introduction, notes and a glossary, will facilitate its use by scholars in many disciplines and provide a better understanding of the undercurrents that eventually led to the Reformation.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, September 26
 "Michael & Terri Dennis," noon, Kern Graduate Commons.

Robin Seymour, gallery talk, 2 p.m., Palmer Christoffers Lobby.

Saturday, September 27
 Storytime by Jan Kinney, 11 a.m., Palmer Christoffers Lobby.

Carl Blake, piano, faculty recital, 8 p.m., Recital Hall.

Sunday, September 28
 ■ Patrick McGrady on "Picasso, Einstein and Everyone Else at the Lapin Agile," 2 p.m., Palmer Lipcon Auditorium.

Tuesday, September 30
 "Shining Transformations," The Nittany Valley Symphony, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Thursday, October 2
 Penn State Clarinet Choir, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.
 Centre Dimension Concert, 8 p.m., Recital Hall.

John Lucas on "Two Recent Projects," 8 p.m., Engineering Unit E.

Friday, October 3
 "Red Wing," concert, noon, Kern Graduate Commons.

■ "Picasso at the Lapin Agile," 8 p.m., Oct. 3; 2 and 8 p.m., Oct. 4 through Oct. 11. The Playhouse. For tickets, phone (814) 863-0255.

Saturday, October 4
 United Way's "Walk N' Roll," 10 a.m., Recreation Building.

Limón Dance Company, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Sunday, October 5
 ■ "An Ire-ish Tale" by Wood and Strings Puppet Theatre, 1 and 3 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Palmer Museum of Art's 25th Anniversary, 1 to 4 p.m., Palmer Museum of Art.
 Dmitri Schirin, piano, guest recital, 3 p.m., Recital Hall.

SEMINARS

Friday, September 26
 ■ Karsten Shein on "The Global Change Master Directory: Bridging Disciplines in Global Change," 4 p.m., 206 Walker.

Tuesday, September 30
 Anna Balazs on "Self-Assembly and Interactions between Polymer Interfaces," 2:30 p.m., Paul Robeson Cultural Center.

Jack Smith on "Charm-Quark Electroproduction at HERA," 3:30 p.m., 339 Davey Laboratory.

David Bader on "Regulation of Heart Development," 4 p.m., 8 Mueller Laboratory.

Thomas Lloyd on "Nutrition Studies with Healthy Teenage Women: The Penn State Young Women's Health Study," 4 p.m., 110 Wartik Laboratory.

Ivan Ilich on "The History of Institutions that Fit People into Technology: Schools, Hospitals, Prisons, etc.," 6:30 p.m., 112 Walker.

Wednesday, October 1
 Sondi K. Devadas on "Prepared Plants and Paranoid Pathogens," 12:20 to 1:10 p.m., 112 Buchholz Laboratory.



On the level

Tara Koback, gallery assistant at the Hetzel Union Building Formal Gallery on the University Park campus, uses a level to make sure a picture is straight. Koback recently hung the show "Beijing and Beyond: Women Artists Respond to the World Conference on Women" at the gallery. The exhibition will be on display through Oct. 25.

Photo: Greg Gleco

James G. Boyd on "Fluid Micro-Mechanical Systems (MEMS): Applications and Fabrication," 3:35 p.m., 108 Sackett.

Sarah H. Guelndner on "The Relationship Between Life Patterns of Exercise and Selected Measures of Well-Being in Older Adults," 4 p.m., 101 Health and Human Development Building East.

■ A.J. Woodman on "Biformis Vates: Horace's Odes, Catullus and Greek Lyric," 4:30 p.m., 102 Weaver.

Thursday, October 2
 ■ Onaiieu Ogbome on "Gender and Power Among Non-centralized and Segmentary Societies in Africa," 11:30 a.m. to 1 p.m., Paul Robeson Cultural Center.

C.J. "Bud" Weiser on "Position Description: A Key to Scholarship," teleconference, 11:30 a.m. to 1 p.m., 301B Agricultural Administration.

Johannes Ruoff on "Oscillations of Neutron Stars," 11:30 a.m., 339 Davey Laboratory.
 Renata Kallosh on "Supersymmetry and Bekenstein-Hawking Black Hole Entropy," 3:30 p.m., 101 Osmond Laboratory.

Friday, October 3
 Wolfgang H. Sachse on "Design of the Compact Disc Player," 11 a.m., S5 Osmond Laboratory.

David Orr on "Reassembling the Pieces: Ecological Literacy in Higher Education," 3 p.m., 111 Forum.

Larry Spence on "Why Lecture? The New Focus on Learning," 4 p.m., 206 Walker.

CONFERENCES

Sunday, September 28
 Innovations in Distance Education Policy Symposium, Penn State Conference Center Hotel, through Sept. 30.

Monday, September 29
 Hospitality Service Conference, Penn State Conference Center Hotel, through Sept. 30.

Tuesday, September 30
 "Fermentation Methods and Scale-Up Strategies," The Nittany Lion Inn, through Oct. 3.

Friday, October 3
 "Michel Foucault and the Possibilities of Transformative Critique," 101 Kern, through Oct. 4.

David Buckel on "Interventions with Lesbian, Gay, Bisexual and Transgender Youths: From Practice to Policy," through Oct. 5.

EXHIBITS

HUB Art Alley Cases
 HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Art Alley Panels
 Kyle Eaddy on "Ninja Warriors," through Nov. 2.
 HUB Browning Gallery Sculptures by Marilyn Collins, through Oct. 31.

HUB Formal Gallery
 ■ "Beijing and Beyond: Women Artists Respond to the World Conference on Women," through Oct. 25.

Kern Penela

■ Photos by Candye Leonerd, "Focusing: Twentieth-Century Spanish Playwrights," through Oct. 20.

Kern Tall and Flet Cases
 Wood sculpture by Mike George, through Oct. 19.

Palmer Museum of Art
 "Photographs by the Stieglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, Sept. 30 through Dec. 14.

■ "Twenty-Fifth Anniversary Exhibition: Prints from the Sixteenth through Early Twentieth Centuries," Special Exhibition Gallery I, Oct. 5 through Dec. 21.

Pattee Library

"The Nittany Lion: An Illustrated Tale — The Exhibit," University Archives/Penn State Room, through Oct. 19.

■ Reflects international perspective.

* For additional information on this event, please see either the lecture or arts and entertainment pages of this issue.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

New at Penn State

Agricultural law center opens

The Agricultural Law Research and Education Center at The Dickinson School of Law officially opened Tuesday, Sept. 16. The center is a collaborative venture between the School of Law and the College of Agricultural Sciences.

The Ag Center, one of only a few in the nation connected with a law school, is designed to provide leadership in the research and dissemination of information about agriculture-related issues to agricultural producers, food processors, government officials and the public. It will serve as a resource center for professional articles and extension outreach materials, providing courses, information and assistance.

Partnership formed

Penn State and the Pennsylvania Chamber of Business and Industry have formed a program partnership to develop and deliver educational programs and products designed to improve Pennsylvania's business climate while increasing the competitive edge for the Commonwealth's businesses.

The Pennsylvania Chamber of Business and Industry in Harrisburg champions the concerns of more than 300,000 businesses in the Commonwealth and focuses on creating an improved business climate in the state.

The goals of the program partnership include working collaboratively to develop local and statewide information sharing and resource networks for Penn State, the Pennsylvania Chamber of Business and Industry and local chamber members; developing new needs-based program opportunities each year; sharing responsibilities for program marketing, development and delivery; and supporting the Commonwealth's goals for economic and community development.

The two organizations also are interested in finding innovative ways to distribute their programs and products through print, interactive videoconferencing, the World Wide Web and distance learning technologies, including Penn State's new World Campus.

The program partners' next joint venture is the 1997 Pennsylvania Business Technology Conference, "Putting Technology to Work for You," planned for Oct. 31 at The Penn State Conference Center Hotel. The conference is the only statewide event designed specifically for business decision-makers.

For information about Penn State and its outreach programming, visit the University's Web sites at <http://www.psu.edu/> and <http://www.cdc.psu.edu/>. Visit the Pennsylvania Chamber of Business and Industry's Web site at <http://www.pachamber.org/>.

Penn College on TV

Pennsylvania College of Technology is extending its educational resources to several million television households throughout five states.

The monthly, 60-minute television series "Penn College & You" and "You're the Chef" are enabling the Williamsport-based Penn State affiliate to feature faculty and staff expertise and provide useful information to communities far beyond the boundaries of its four campuses in Northcentral Pennsylvania.

Both series have increased distribution to out-of-town cable systems and broadcast stations. "Penn College & You" airs from more than 1.6 million homes in Pennsylvania and New York. "You're the Chef" is seen in over 2.6 million homes throughout Pennsylvania, New York, California, Colorado and Georgia. Both series are broadcast live to 25,500 homes in the Williamsport area through Susquehanna Communication's SCN Channel 2. Susquehanna Communications produces the series in conjunction with Penn College.

"Penn College & You" has featured a variety of Penn College faculty and staff since its September 1995 debut. These shows air in the State College area on C-Net Channel 7 on Thursdays at 7 p.m.

Family Day gives broader view of college experience

By MEREDITH McKEON
Public Information

Sending young adults off to college can be a difficult time for parents, but knowing what they are getting into at school can help calm parental minds. Family Day, to be held Sept. 27 and hosted by the Parents & Families division of the Penn State Alumni Association, presents the perfect opportunity for family members to catch a glimpse at what a Penn State education is all about. From learning sessions and open houses to recreational activities, Family Day at Penn State should be worth the trip.

"Our goal is to provide an opportunity for families to see how their students have adjusted to college life. For parents, it is a very different experience from dropping students off at the beginning of the semester," said Kathy Kurtz, who is coordinating Family Day. "Our goal is to welcome families and make them feel comfortable as they familiarize themselves with the University."

Either by participating in planned events or just spending time with their student, family members will have plenty of chances to become familiar with the University. A series of learning sessions introduce family members to the opportunities, problems and realities of student life. Some of the sessions offered will include "Penn State's Ranking and Reputation," which will discuss the value of a Penn State degree in life after college. "Internships, Externships and Co-ops" and "Religious Life at Penn State" will pre-

sent some of the numerous opportunities and activities available to students. The "Birds of Prey Presentation," sponsored by Shaver's Creek Environmental Center, will create a wildlife experience right in University Park.

Some of the recreational activities will include an "Ice Cream Social," featuring the University Creamery ice cream, and "Synergy," the student talent show. Family members can tour open house events including the "Information Fair," the "Hillel and Jewish Studies Open House" and the "Multicultural Resource Center."

Campus tours will be held throughout the day and if the planned events don't provide enough activities, families can stop by various places of interest on campus. The weather station, the Palmer Museum of Art, the Earth and Mineral Sciences Museum, the Penn State Room, the Football Hall of Fame and other locations, which provide different perspectives of student life at Penn State.

Throughout the day, families are sure to build up an appetite. The dining halls and the Hertz Union Building (HUB) will be open to allow families to get a taste of the food at Penn State.

Parents & Family Day is projected to draw large numbers this year. Already, more than 1,200 families have registered — a huge increase from the estimated 800 attendees last year.

All Parents & Family Day events are free. For more information, call (814) 863-9424.

Promotions

Staff

Shelly E. Kachik, staff assistant VI in College of Agricultural Sciences.

Jeffery S. Kline, sales coordinator, The Nittany Lion Inn.

Kimberly K. Korbich, staff assistant V in Division of Development and Alumni Relations.

Steven M. Koths, financial officer III in Corporate Controller's Office.

Stephanie L. Krout, staff assistant VI in Research and Graduate School.

Theresa L. Krise, staff assistant V in Continuing and Distance Education.

Dawn R. Laubach, staff assistant VI in Applied Research Laboratory.

Fran E. Levin, director of sales and marketing, The Nittany Lion Inn.

Heather S. Mader, catering sales manager, The Nittany Lion Inn.

Kathy A. McCool, staff assistant V in Continuing and Distance Education.

Ann McLaren, coordinator of Learning Center and student development and retention in Office of the Vice Provost and Dean for Undergraduate Education.

Janice M. McMahon, staff assistant V in College of Agricultural Sciences.

Tracey A. Melnick, academic counselor in the College of the Liberal Arts.



Perfect timing

Pennsylvania State Treasurer Barbara Halter, left, helped the Penn State Blue Band celebrate its centennial by banning the University a long-forgotten piece of the band's history. Richard DiEugenio, special assistant to the president for governmental affairs, right, was in Harrisburg recently to receive a 58-year-old gold pocket watch that had been given to Wilfred Otto Thompson, director of the band for 25 years until his retirement in 1939. The state received the watch in 1996 under provisions of the unclaimed property law. The University will have the watch on display at the University Park campus as part of the commemoration of the band's 100th anniversary.

Photo courtesy of the Pennsylvania Office of the Treasurer

Check the Web

Intercom is now even easier to find on the Web. You can find the electronic version of this issue and an archive of past issues by pointing your browser to <http://www.psu.edu/ur/INTERCOM/>

■ Alumni Fellows

Three receive top Alumni Association honor

College of Communications chooses print journalist, former Trustee president

The College of Communications welcomed its 1997 Alumni Fellows for a week of classes and events beginning Sept. 22. Theodore A. Serrill, a 1932 graduate, and Mimi Ungar Coppensmith Fredman, a 1953 graduate, will be honored by the Penn State Alumni Association tonight.

During Serrill's 63-year career in print journalism, he was employed by three daily newspapers: the *Washington News*, the *Charlotte News* (N.C.) and the *Easton Express* (Pa.). He also served as deputy director of War Loans in Philadelphia and headed the Pennsylvania Newspaper Publishers Association after World War II. He went on to head two other newspaper associations, most notably the National Newspaper Association, the oldest and largest newspaper trade association.

At 66, Serrill relocated to Florida where he became owner and publisher of a court and commercial newspaper for 14 years before retiring in 1994 with his wife, Patricia. He has served on the Penn State Alumni Council as both president of the Central Pennsylvania Chapter and president of the Gulf Coast Penn State Alumni Club. Both of his sons, Theodore and James, are Penn State graduates.

Coppensmith Fredman is president and CEO of the Barash Group and president of Morgan Signs Inc. as well as publisher of *Town & Gown* magazine and the *Where and When Travel Guide*. A trustee

emerita of Penn State, Fredman served on the Board of Trustees for more than 20 years, including terms as president and vice president. She has been an instructor and guest lecturer in speech, journalism and marketing courses throughout the past 44 years. She is a member of the board of advisers for the Palmer Museum of Art, and has been awarded a Service to Society Award from the College of the Liberal Arts and the Lion's Paw Medal for outstanding service to Penn State.

A "Distinguished Daughter of Pennsylvania," Fredman has been listed in *Who's Who in American Women* since 1974. In 1996 she was named "Central PA Entrepreneur of the Year" in marketing and communications, and was recently named one of "Pennsylvania's Best 50 Women in Business." She has served on the boards of directors of 18 organizations, including the current boards of Penn State Geisinger Health System, Centre County Youth Service Bureau, Central Pennsylvania Festival of the Arts and the Renaissance Scholarship Fund.

Fredman's husband is the Hon. Samuel G. Fredman, justice of the New York Supreme Court, 9th Judicial District. Her two daughters, Carol and Nan, also work for The Barash Group.

The Alumni Fellow Award is the most prestigious award given by the Penn State Alumni Association. The award is administered in cooperation with the College of Communications.

Local attorney is Harrisburg selection

Harrisburg attorney Gerald K. Morrison is Penn State Harrisburg's 1997 Alumni Fellow. A shareholder in the law firm of Buchanan Ingrass, Morrison was selected for the Alumni Fellow award in recognition of his professional accomplishments and his continuing involvement in higher education at Penn State Harrisburg.

The most prestigious award presented by the Penn State Alumni Association, the Alumni Fellow designation, established in 1973, is a permanent title authorized by the Board of Trustees and administered in cooperation with each of the University's academic colleges.

A native of Steelton and a 1965 graduate of Penn State with a degree in business administration, Morrison has worked tirelessly on behalf of the college, serving in a number of key volunteer roles including chair of the board of advisers, the financial development committee, the campaign for the new library and the Schuylkill Campus/Capital College merger committee. He also will be serving as chair of the upcoming Capital College portion of the Penn State Capital Campaign.

The Alumni Fellow activities will be highlighted at 7 p.m. Oct. 28 on campus when Morrison will deliver the keynote lecture and receive the Alumni Fellow medallion and scroll.

Seminar series helps maximize database searching power

The University Libraries are offering the following series of seminars during October to help library users learn more about the growing number of databases accessible through the Library Information Access System (LIAS) and on CD-ROM. LIAS searching techniques that enable users to maximize their searching power also will be presented.

In an effort to accommodate as many participants as possible, some sessions are offered more than once. To register or learn more about the seminars, send an e-mail to signup@psulias.psu.edu. If you have any additional questions, contact Doris Herr at (814) 863-0325. Seating is limited, so register early! Information on the seminars also can be found by typing HELP WORKSHOP when using LIAS or on the Libraries' Web site at <http://www.libraries.psu.edu>. All sessions are on the University Park campus.

■ Penn State Libraries Catalog in LIAS

This seminar offers an overview of The CAT in LIAS and hands-on practice in applying LIAS searching techniques — Oct. 7 and 29 from 8:30-10:30 a.m.; Oct. 2 and 20 from 10 a.m. to noon; and Oct. 8 and 17 from 1-3 p.m. All sessions take place in Tower Room 402, Central Pattee Library.

■ AGRICOLA database

Oct. 7 from 1-3 p.m., Tower Room 402, Central Pattee Library.

■ Career Information on the Internet

Oct. 14 from 5-7 p.m., Pollock Library.

■ Citation Indexes

This program covers techniques for Searching Science Citation Index, Social Sciences Citation Index, and Arts and Humanities Citation Index: Oct. 28 from 10 a.m. to noon, Central Pattee Library.

■ Earth Sciences databases

Oct. 29 from 4-6 p.m., 109 Deike Building.

■ Engineering Resources

Oct. 16 from 1-3 p.m., Tower Room 402, Central Pattee Library.

■ The Future of the Text

With the advent of new technologies, what has happened to that essential feature of the library, the book? Topics will include how the features of the book have shaped electronic media, and how electronic media might affect the book's future shape. Discussion is encouraged and participants are urged to bring questions.

Oct. 21 from 3-5 p.m., Tower Room 402, Central Pattee Library.

■ Interlibrary Loan

Oct. 14 from 3-5 p.m., Tower Room 402, Central Pattee Library.

■ Literary and Historical Manuscripts

This seminar offers hands-on practice in searching for descriptions of literary manuscripts and historical manuscript collections in LIAS, OCLC, RLIN, and the World Wide Web.

Oct. 14 from 1-3 p.m., Tower Room 402, Central Pattee Library.

■ Literature databases

Oct. 22 from 10:30 a.m. to noon, Tower Room 402, Central Pattee Library.

■ Materials Science Resources

Oct. 2 from 10 a.m. to noon, 109 Deike Building.

■ MEDLINE

MEDLINE indexes more than 3,600 journals in the fields of health, biomedicine, clinical medicine, nursing, veterinary science and dentistry. Learn how to find journal articles in biomedicine and related subject areas (e.g., nutrition, nursing, biology). Oct. 23 from 10 a.m. to noon, Tower Room 402, Central Pattee Library.

■ Molecular Biology Resources

Oct. 1 from 1-3 p.m., Tower Room 402, Central Pattee Library.

■ Multicultural and Diversity Resources

Oct. 14 from 5:30-7:30 p.m., Tower Room 402, Central Pattee Library.

■ Music Resources

Oct. 29 from 1-3 p.m., Tower Room 402, Central Pattee Library.

■ Spanish and Latin American Resources

Oct. 9 from 1-3 p.m., Tower Room 402, Central Pattee Library.

■ Women's Studies databases

Oct. 2 from 8:30-10 a.m., Tower Room 402, Central Pattee Library.

News in Brief

Health Matters

Enlightening Lunch: Are you Fit for the Hunt? Hunting not only requires good mental skills, physical agility and hand-eye coordination, it demands the hunter be in peak physical condition. Learn how to incorporate a personal physical activity program into your lifestyle, no matter what the season. Meets noon to 12:45 p.m. Tuesday, Oct. 7, in 109 OPP Building. Cost: None. To register, contact **Jan Hawbaker** at (814) 865-3085 or e-mail jQH3@psu.edu.

Children's Halloween Trail

It's almost time for the Children's Halloween Trail and Festival at Shaver's Creek Environmental Center. The festivities will run from 11 a.m. to 4 p.m. Saturday and Sunday, Oct. 25 and 26.

The Halloween trail is geared toward children ages 4 through 10, though all ages are welcome and encouraged to attend. The Children's Halloween Trail is a fun, non-frightening, hour-long trip along a trail at Shaver's Creek Environmental Center.

Trail times are 11 and 11:30 a.m., noon, 12:30, 1:30, 2:30 and 3 p.m. Before and after the trail, Shaver's Creek Environmental Center will have many festival activities available, including singing, storytelling, games, concessions and crafts, along with Shaver's Creek's exhibit room, Raptor Center, wetlands, orienteering trails and bookstore.

Tickets for the event cost \$5 for both children and adults. Children 3 and younger are free. Tickets are available at Shaver's Creek and Barnes and Noble Bookstore on Berner Pike in State College and Huntingdon's BiLo on state Route 22 starting Oct. 1.

"Depressed" people needed

A study designed to help people with depression is being conducted. You may be experiencing major depression if you:

- Feel depressed most of the day, nearly every day;
- Experience a marked decrease of interest and pleasure in almost all activities;
- Feel fatigue or loss of energy most of the day;
- Feel worthless or excessive guilt; or
- Feel a decreased ability to think or concentrate.

If you believe you are experiencing major depression and would like to be considered for a study being conducted by the Department of Psychology, please call **Charles Hines** at (814) 863-4833.

Subjects (ages 18-55) included in the study will receive 12 to 20 free sessions of individual psychotherapy, either immediately after being assessed for depression or 12 to 20 weeks later. Subjects also will be asked to complete various questionnaires during and after treatment. A brief telephone interview will help with a preliminary determination of the suitability of this treatment for you. If you cannot be included in this treatment, alternate referral suggestions will be made. Strictest confidentiality is maintained.

Social relationships project

Volunteers are being sought for a study of positive and negative aspects of familial and social relationships. Adults in their 40s, 60s, 80s and 90s, and teen-agers between the ages of 13 and 16 who have parental permission, may participate in the study.

Subjects will be interviewed for between one and two hours and will receive \$15 for their participation. For more information, call (814) 863-1834 and leave a message for **Karen Fingerman**, assistant professor of human development and family studies.

Awards

Five awarded grants from National Science Foundation

Five faculty members from the College of Engineering received grants from the National Science Foundation through its Faculty Early Career Development Program. The program helps scientists and engineers develop their research and teaching simultaneously as their careers are just beginning. The funds are awarded to junior-level faculty at colleges and universities, and these four- to five-year awards range from \$200,000 to \$500,000. The recipients are:



COSTAS MARANAS



ERIC MARSH



THEMIS MATSOUKAS

■ **Costas Maranas**, assistant professor of chemical engineering, whose research focuses on the development of algorithmic, and in particular, optimization techniques to support the molecular design challenge. Preliminary work has focused on polymer design. On the educational front, Maranas is updating the senior chemical engineering capstone design course to introduce elements of product design, chemical process planning and scheduling, and flow-sheet optimization.

■ **Eric Marsh**, assistant professor of mechanical engineering. Industry faces an urgent need for efficient methods of processing engineering materials such as titanium alloys, ceramics and alloy steels. High-speed machining has become viable in aluminum, but not in difficult materials. Marsh is reaching reliable dynamic models to integrate with ongoing research to meet these new manufacturing challenges. The grant's educational component will provide students instruction in structural dynamics; as well as teach the skills to accurately model and analyze precision machines, and contribute to the modeling capabilities of commercial codes.

■ **Themis Matsoukas**, assistant professor of chemical engineering, is building on recent advances in keeping particles suspended in plasmas, by developing a radio-frequency, low-pressure plasma process for the deposition of thin polymer films onto the surface of powders. This process could possibly improve powders' flow characteristics, preventing irreversible agglomeration, providing protection from chemical attack, and facilitating sintering. The beneficiaries of this grant will be the students: through research opportunities; the development of specialty courses in this emerging interdisciplinary technology; and the development of teaching tools



ANAND SIVASUBRAMANIAN



XIANG ZHANG

to bridge the gap between engineering education and industrial practice.

■ **Anand Sivasubramanian**, assistant professor of computer science and engineering, is researching the use of an application-driven approach to realize scalable parallel systems with powerful off-the-shelf workstations and networking hardware. This will enhance the undergraduate and graduate curricula by providing a strong foundation in the design, implementation and evaluation of high performance operating systems and architectures.

■ **Xiang Zhang**, assistant professor of industrial and manufacturing engineering, conducts research focusing on opening new applications in the MEMS (micro-electro-mechanical system) industry. By addressing the challenges this emerging technology presents in fabricating truly 3D high-aspect ratio micro-structures, Zhang expects applications in high-density optical data storage, nano-technology and biomedical engineering to be possible. Two new courses in micro-manufacturing are under development at the graduate and undergraduate levels, with a combined, preliminary version being offered for the first time this fall.

Cataloger earns library association Fellowship

Roger Brisson, the social sciences cataloger and selector of German language and literature for the University Libraries, has been awarded an American Library Association (ALA) Fellowship and will travel to Leipzig, Germany, for a six-month assignment teaching at the Hochschule für Technik, Wissenschaft, and Kultur (College of Technology, Economics, and Culture). Along with instruction,

he also will provide hands-on assistance in the development of MEDOC, Germany's largest digital library initiative, sponsored by the German Federal Ministry of Research and a host of research institutes and technical colleges.

Known as "information ambassadors," ALA Fellows are chosen from a pool of more than 100 applicants each year. This year 12 people were chosen to

participate in areas including Botswana, Bolivia, Japan, Estonia and the West Bank.

In its 11th year, the program is funded by the United States Information Agency, the same organization that takes part in the Fulbright program. Promoting international resource sharing, the exchange establishes enduring links between library professionals and institutions worldwide.

Faculty/Staff Alerts

Visitor parking

Effective July 1, visitor one-day parking permits for University Park changed in price from \$3 to \$4 each. The one-day permits can be purchased by visitors, faculty, staff and commuters. Permits may be purchased at any of the five kiosk locations throughout campus or at the Parking Office in 1 Eisenhower Parking Deck. One-day permits are valid in all orange open staff lots. After 5 p.m., these permits are valid in reserved lots unless the lot is otherwise designated by posted signs. One-day permits are NOT VALID in 24-hour reserved spaces, metered spaces, service drives, fire lanes and handicapped spaces.

Alternatives to the one-day permit for visitors are the use of the long-term (blue and gray head) meters and short-term meters (red head) located throughout campus, including the Hub Deck or paid parking in the Nittany Deck.

Anyone with questions regarding visitor parking should call the Parking Office at (814) 865-1436.

Parking lot closing

Effective Oct. 1, the Parking Office will permanently close lot Red C Gravel at University Park. This is the temporary lot between the Machine Shop and the Nittany Six golf course. Some people may think of it as the gravel lot behind the bus station off of Atherton Street. This lot was built as a temporary solution to a parking shortage in the Red C/Red A area.

In May of this year, work was completed on a 294-space addition to Red A, which should provide sufficient parking for faculty and staff on the West side of campus (across Atherton Street).

The completion of this project returns Red A and Red C to their status of open staff parking lots. Accordingly, Red A and Red C are being redesignated as Orange W. Anyone with questions on this change, please contact the Parking Office at (814) 865-1436.

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs, complete the registration form found in the back of the fall HRDC catalog, and fax to (814) 865-3522. The following courses take place on the University Park campus:

■ **Balancing Your Life to Optimize Your Energy at Work, PER 003** — From 11:30 a.m. to 1 p.m. Monday, Oct. 13, in 319 Rider Building. Meets for four sessions. Cost: \$89.

■ **Increasing Meeting Productivity, PRO 016** — From 1:30-4:30 p.m. Monday, Oct. 13, 319 Rider Building. Cost: \$44.

■ **Refining Your Communications Skills at Work, COM 004** — From 8:15-11:45 a.m. Thursday, Oct. 16 and 23, 118 Agricultural Science Building. Cost: \$99.

■ **Creativity Unleashed: The Ultimate Tool, PER 029** — From 1:30-4:30 p.m. Friday, Oct. 17, 118 Agricultural Science Building. Cost: \$44.

Proposal Writing Workshop

The Equal Opportunity Planning Committee will conduct its 1997 Proposal Writing Workshop on 2 p.m. Wednesday, Oct. 15, in the Paul Robeson Cultural Center at University Park. This year's workshop is mandatory only for writers of new proposals. Those wishing to submit renewal requests are

welcome to attend, but attendance is not required to be considered for funding. Those planning to attend the workshop should register by calling the EOPC office at (814) 863-7889 by Oct. 10.

EOPC proposal guidelines will be available Oct. 15 in 330 Grange Building at University Park, or by calling (814) 863-7889. The guidelines also will be posted on the EOPC Web site at <http://www.blue.ue.psu.edu/psu/ee/eopc/>. This year's guidelines have been revised. Please read them carefully before submitting a proposal. The deadline for submission for a summer 1998 program is Dec. 15. The deadline for submitting a proposal for academic year 1998-99 is Jan. 26, 1998.

NSF Fellowships

The National Science Foundation will award approximately 1,000 new Graduate Research Fellowships (Graduate Fellowships and Minority Graduate Fellowships) in 1998 to support graduate study in science, mathematics and engineering. The deadline for applying is Nov. 6. Awards will be announced in March 1998.

Each three-year fellowship provides a stipend of \$15,000 for 12 months and a cost-of-education allowance of \$9,500 per year. Applications are evaluated based on all available evidence of ability, including academic records, recommendations regarding the applicant's qualifications and Graduate Record Examination scores. Fellowships are awarded for graduate study leading to research-based master's or doctoral degrees. Applicants must be citizens, nationals or permanent resident aliens of the United States at the time of application. Separate competitions are conducted for Graduate Fellowships and Minority Graduate Fellowships, each with additional awards offered for women in engineering and computer and information science.

For information or an application, go to the Web at <http://www.fastlane.nsf.gov> or <http://www.ehr.nsf.gov/grfp.htm>. You can also write to NSF Graduate Research Fellowship Program, Oak Ridge Associated Universities (ORAU), P.O. Box 3010, Oak Ridge, Tenn. 37831-3010; send an e-mail to nsgrfp@orau.gov; or telephone (423) 241-4300.

Thanksgiving calendar change

To help students travel safely and in timely fashion over this year's Thanksgiving holiday — without skipping classes — Penn State has changed its official University Park calendar for November.

Under the change, classes at University Park will end at 12:05 p.m. Wednesday, Nov. 26 — the normal ending time of fourth-period classes. Other locations also may adopt the change, as appropriate.

All morning classes on the Wednesday before Thanksgiving will remain scheduled as before. Instructors whose classes would have met after 12:05 p.m. Wednesday are expected to provide opportunities to make up the class time missed because of the early closing. If needed, the Registrar's Office will work with faculty and departments on rescheduling.

The University will monitor how the schedule change works this year and the results of its assessment will be used to guide Thanksgiving holiday scheduling in future years.

Libraries offers more databases

Four new database selections have been added to the Library Information Access System (LIAS). Provided through the Cambridge Scientific Abstracts Internet Database Service, these resources can be found through LIAS at <http://www.lias.psu.edu/> and are available to all Penn State users.

■ **Aquatic Sciences:** Provides comprehensive information on the science and technology of marine, freshwater and brackish water organisms and environments; coverage is from 1978 to the present.

■ **Environmental Sciences:** Covering all areas of air, land, water and noise pollution as well as bacteriology, ecology, toxicology, risk assessment, environmental engineering, environmental biotechnology, waste management and water resources, from 1981 to the present.

■ **Materials Science:** Collection of six databases that provide access to the worldwide literature of materials science and engineering. Coverage is from 1966 to the present.

■ **Mechanical Engineering:** Provides access to the worldwide literature of mechanical engineering, engineering management and production engineering; coverage is from 1981 to the present.

All of the above databases can be found on the Fast Track to All Resources menu within LIAS. They are available only through LIAS on the Web, since they require the graphics capabilities of Windows. You cannot access them through the "telnet" (non-windows) version of LIAS, so you won't see them on the "LIAS Selection Menu."

Commission for Women meetings

The Commission for Women, an advisory group to the president, will meet each month this fall and through the Spring Semester. The meetings are open to the University community and follow:

- Oct. 13 at 3 p.m. in 404 Old Main, University Park
- Nov. 20 at 1:30 p.m. in 307 Hetzel Union Building, University Park
- Dec. 16 at 10 a.m. in 404 Old Main, University Park
- Jan. 15 at noon, 404 Old Main, University Park
- Feb. 13 at 1 p.m., 404 Old Main, University Park
- March 16 at 1 p.m., Penn Stater Conference Center Hotel
- April 10 at 1 p.m., 404 Old Main, University Park
- May 8 at 3 p.m., Berks Campus
- June 12 at 1 p.m., 404 Old Main, University Park

For more information about the commission or its meetings, contact Tracy Leitzel at (814) 865-1683.

Reminder

The closing date for receipt of Evan Pugh Professorship nominating materials is Friday, Oct. 31. All nominations must be submitted in accordance with established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. For current nomination guidelines, call (814) 863-9580, e-mail vx12@psu.edu or visit 304 Old Main, University Park.

Appointments

Civil and environmental engineering department announces holder of Kappe Professorship

Bruce E. Logan has been appointed the Stan and Flora Kappe Professor in environmental engineering in the Department of Civil and Environmental Engineering.

Formerly a professor at the University of Arizona, Logan's teaching and research focus on environmental transport processes, hazardous waste treatment and wastewater treatment processes. He is particularly interested in particle transport processes in natural environments. He will offer a new course here this semester in environmental transport processes, which he taught at Arizona for 11 years. He is completing a textbook with the same name to be published in 1998 by Wiley & Sons, New York, as part of their series in environmental science and engineering.

In addition to teaching, Logan will direct the research activities in the Kappe Environmental Engineering Laboratories, and will work with the State College Waste Water Treatment Plant to test a new technique to monitor oxygen demands of wastewater. The test that this and other treatment plants around the world currently use was developed in 1909 and has remained essentially unchanged. Logan updated the procedures to use new technology, which will make the tests more accurate and easier to run.

He earned a B.S. in chemical engineering and an M.S. in environmental engineering from Rensselaer Polytechnic Institute, and a Ph.D. in environmental engineering from the University of California, Berkeley. A former Fulbright Scholar, he worked as a hazardous waste specialist and waste treatment engineer before earning his doctorate. He joined the faculty at the University of Arizona in 1986 as an assistant professor. He is vice president of the Association of Environmental Engineers, a member of a number of professional societies in his field and has published extensively.

The Kappe Professorship was established by Stanley Kappe, a 1930 alumnus with a bachelor's degree in sanitary engineering. Kappe founded Kappe Associates, a science and engineering firm in Frederick, Md.

Creation of Commonwealth College leads to appointment of two division heads

With the creation of the Commonwealth College, effective July 1, two Penn State Shenango faculty members have been appointed division heads of their respective departments. Kathleen G. Mastrian, assistant professor of nursing and campus coordinator for nursing, has been appointed division head, nursing, Commonwealth College, and Charles R. Bursley, professor of biology, has been named division head, biology, Commonwealth College.

While their primary responsibilities will continue to be teaching, research and service, they will be consulted for their disciplinary expertise to key processes and on decisions within the college. In addition, they will provide disciplinary support to academic administrators in the Commonwealth College, notably the directors of academic affairs at the campuses as well as the associate deans in the college office.

Mastrian graduated with a bachelor of science in nursing from Penn State. She received a master of science in nursing from the University of Pittsburgh and a doctorate in medical sociology from Kent State University in Ohio. Mastrian was hired by Penn State Shenango in December 1979. She is an active member of many University committees including the Graduate Affairs Committee and College of Health and Human Development Curricular Affairs Committee. Outside the University, Mastrian participates in a number of organizations.

Bursley obtained his bachelor of arts degree in biology from Kalamazoo College. He went on to receive his master of science in biological science and his doctorate in zoology from Michigan State University. He was hired by Penn State Shenango in August 1970. In addition to his involvement on the campus' Academic Affairs Committee, Bursley is an active member of the University's Promotion and Tenure Committee and the Marine Science Committee.



BRUCE E. LOGAN

Penn Staters

W. Larry Kenney, professor of physiology and kinesiology, recently presented the keynote lecture at the International Union of Physiological Sciences Symposium on Thermal Physiology in Copenhagen, Denmark. Kenney's talk, titled "Control of Skin Blood Flow: Mechanisms and Influences," was chosen as the Ellab Distinguished Presentation at the conference.

K.C. Kim, professor of entomology, was elected as a Fellow of the Korean Academy of Science and Technology, the institution's highest level of distinction.

Lynn Kozlowski, head of the Department of Biobehavioral Health in the College of Health and Human Development, was invited to the White House to meet with Donna Shalala, U.S. secretary of health and human services, and Bruce Reed, domestic policy adviser, along with four other scientists to consult on the Tobacco Agreement.

Larry Muller, professor of dairy science, was elected vice president of the American Dairy Science Association at the group's annual meeting in Guelph, Ontario.

Christopher Mullin, professor of entomology, presented two seminars for the Consejo Superior de Investigaciones Científicas (CSIC). He presented "Chemical Ecology of Beetle Taste: Rational Basis for Pesticide Design" at a CSIC institute in Tenerife, Canary Islands, and "QSAR in Insect Taste Chemoreception" at a CSIC institute in Madrid, Spain.

Zoann Parker, extension agent in Lancaster County, was appointed deputy secretary for administration in the Pennsylvania Department of Agriculture. She has taken an administrative leave to serve in this position.

Stuart Patton, Evan Pugh professor emeritus in agriculture, was elected a Fellow of the American Dairy Science Association. Since retiring in 1980, Patton has been a guest scientist at the University of California, San Diego.

While teaching in France at Paris III-Sorbonne Nouvelle, Guadalupe Marti-Peña, lecturer in the Department of Italian, Spanish and Portuguese, gave an invited paper at the Maison de l'Amérique Latine titled "El delirio de la realidad: Les Vigies," de Porfirio Mamani Macedo ("Reality delirium in Macedo's Les Vigies," L'Harmattan, 1997).

Gary W. Petersen, professor of soil and land resources, Department of Agronomy, and co-director of the Office for Remote Sensing of Earth Resources, Environmental Resources Research Institute, has been elected president of the Soil Science Society of America. This will be a three-year term of office, as he will serve as president-elect, president and past-president.

Jane Ridley, associate professor of theatre arts, played various roles at the Shenandoah International Playwrights' Retreat (SIPR) on the Voices of Asia Project in Staunton, Va. Ridley worked with playwrights from Hong Kong, Shanghai, Singapore and Taipei. For more than 20 years, SIPR has provided a meeting

ground for theatre artists of the world to engage in the exploration and development of new works for the world's stages.

Recently, Ridley was elected to the National Board of Directors of the University Resident Theatre Association (U/RTA). U/RTA strives to integrate educational and professional theatre and is committed to the advancement of the American theatre.

Joanne Rutkowski, associate professor of music education in the School of Music, College of Arts and Architecture, presented a paper, "The Nature of Children's Singing Voices: Characteristics and Assessment" at "Sharing the Voices: The Phenomenon of Singing," an international symposium held at Memorial University of Newfoundland.

Adam J. Sorkin, professor of English at Penn State Delaware County, gave an invited lecture, "Parallel Universes: Martin Soreescu and the Biographer's Memory," at the International Conference: Biography and Romanian Studies in the Palace of Culture, Iasi, Romania.

He also gave a reading of poetry from his new book, *Transylvanian Voices*, along with a third of the poets in the volume who read their works in the original, at the Third International Congress of the Society for Romanian Studies.

Gerhard E. Strasser, head of the Department of Germanic and Slavic Languages and Literatures, presented papers at four international conferences during his recent sabbatical year in Europe. At the triennial Fourth International Emblem Conference in Louvain, Belgium, he spoke on "A Tripartite Emblem" or a Threefold Emblematic Epithalamium from the Middle of the 17th Century; he presented an invited paper on "The Struwwelpeter Collection at Penn State" at an international symposium on "Heinrich Hoffman and the Struwwelpeter" at the Johann Wolfgang Goethe University in Frankfurt, Germany; he also read a paper on "Cultural Interconnections between the 'Old' and 'New' Worlds: Athanasius Kircher's Theory of Egypt as the Origin of the Chinese and Mexican Civilizations" at the annual meeting of the American Comparative Literature Association in Puerto Vallarta, Mexico; and at the end of July, he presented a paper on "Musical Ciphers or the 'Unnatural' Art of Using Music for Secret Communication" at the triennial International Baroque Congress at the Herzog August Bibliothek in Wolfenbüttel, Germany.

Joan Thomson, associate professor of rural sociology, received the 1997 AAFCS Leaders Award from the American Association of Family and Consumer Sciences at its annual meeting in Washington, D.C.

Donald J. Willower, Distinguished Professor of education, made several presentations in Sweden recently. At Uppsala University, he presented a seminar for faculty on "Values in Administrative Decision-making," and at Umea University he gave two lectures on "Administrator Behavior and Organizational Improvement" to faculty and graduate students, Swedish and Russian school administrators.

Research

Churchgoing is becoming less of a habit in rural south

By PAUL A. BLAUM
Public Information

Rural Southerners have long been considered the most religious and traditional churchgoers in America, but that distinction is slowly fading.

Researchers note that church attendance, especially among young people, declined in the rural South between 1972 and 1991, while attendance remained at the same level among urban and suburban Southerners. In other regions outside the South, church attendance held steady or rose during that same period.

All of this points to an increasing cultural convergence, at least in religious terms, between the rural South and the rest of the United States, said three sociologists of religion.

"Culture and religion in America have been most strongly linked in the rural South, the most religiously traditional section of the country," said Glenn Firebaugh, professor of sociology. "Among rural Southerners, the church has continued to play a much larger role in community life than in the North and West, and thus rural Southerners remain the most faithful church attenders in the nation."

"In recent decades, however, rural Southerners appear less inclined to darken church doors because that is what their neighbors do," said Conrad Kanagy, assistant professor of sociology and anthropology at Elizabethtown College. "Now rural Southerners, particularly the young, seem more likely to attend out of individual choice or in a spirit of volunteerism. Individualism and volunteerism are quintessential American values which drive churchgoing in other sections of the United States."

This change is not due to direct migration of non-Southerners, said Hart M. Nelson, professor of sociology. For the contemporary South, it is the movement of new ideas, and not new individuals, that influences church participation.

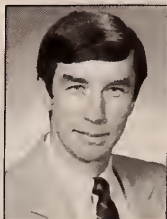
Because narrowing of regional differences in church attendance is especially pronounced among the young, the rural South will continue in its trend to resemble the rest of America in the area of religion.

"If the present annual rate of convergence were to continue, churchgoing rates will be uniform throughout the United States in about four decades," Firebaugh said.



Church attendance is the focus of research conducted by Glenn Firebaugh, professor of sociology; Hart M. Nelson, professor of sociology; and Conrad Kanagy, assistant professor of sociology and anthropology at Elizabethtown College.

Photo: Greg Grieco



GLENN FIREBAUGH



HART M. NELSON

Breakthrough announced to help fight cervical cancer

Cervical cancer is the second most common cause of cancer death of women in the world. Papillomaviruses are associated with more than 90 percent of all cases of cervical cancer. In the past, the disease was difficult to study because the virus could not be grown in a tissue culture in a lab. However, researchers in the College of Medicine in Hershey have developed a way to grow the virus. This means the entire life cycle of the virus can now be studied — which should help researchers develop drugs to fight the disease.

Craig Meyers, assistant professor of microbiology and immunology, calls this work a major step forward in fighting the disease.

"By seeing the virus from beginning to end we can look for opportunities at therapeutic measures. We can search for drugs based on the various stages of the disease. This will help us analyze what current drugs work and how they work. There may also be an opportunity for a weakened form of virus to be used as a vaccine, like the polio vaccine," said Meyers.

There are at least a dozen different strains of virus that cause cervical cancer. By being able to duplicate the complete virus life cycle the many different kinds can all be studied from beginning to end. Meyers said this will allow comparisons of the replication cycles and an investigation into the early stages of infection. Like so many other types of cancer, early detection of cervical cancer is very important to the eventual health of the patient.

High-risk papillomaviruses can cause tumors and cancer. However, there are low-risk papillomaviruses that also affect millions of people with problems such as warts or skin viruses. These viruses can also now be duplicated and studied in the lab from beginning to end, as a search for drugs to help combat the problem.

Researchers suspect clotting factor may increase risk of heart attack

Researchers in the College of Medicine at The Hershey Medical Center have identified what may be a new, independent risk factor measurement for heart attacks and strokes. Fibrinogen is the main clotting factor in the blood. Researchers say that gamma prime, a form of fibrinogen that makes up about 10 percent of total fibrinogen, may be an indicator of possible heart attacks and strokes.

David Farrell, assistant professor of biochemistry and molecular biology, said the more gamma prime fibrinogen in a clot, the tougher a clot is to break down, which could lead to a greater risk of heart attack or stroke. "We have known that gamma prime has existed since about 1980. However, we never knew about this new role. It will still clot like the major form of fibrinogen. But in addition, it will bind to another coagulation factor, factor XIII, also known as fibrin stabilizing factor. When fibrin and factor XIII meet, they cross-link and are much tougher to break down," said Farrell.

He said several known risk factors must be considered when a doctor examines a patient.

"We think gamma prime fibrinogen could be on that list of risk factors. We're working a test to measure it, to see if it correlates to the risk of heart attack," said Farrell.

Farrell said his work suggests that people with high levels of gamma prime fibrinogen may be at higher risk of developing blood clots, independent of total levels of fibrinogen.

"That is something that we must continue to study," he said.



New at Behrend

To be dedicated in ceremonies on Oct. 3, Almy Hall is Penn State Erie, Behrend College's latest edition to its residence hall facilities. Constructed at a cost of \$5 million, Almy Hall houses 132 students, 80 percent of whom are honors students or University Scholars. Penn State-Behrend is scheduled to break ground in 1998 for another residence hall, which will open in 1999. A third building will open in 2001. Almy Hall was named in honor of sailing master Thomas C. Almy, a schooner commander during the War of 1812.

Photo: Courtesy of Penn State Erie, Behrend College

For the Record

Due to a change in his schedule, Paul Kossman, Alumni Fellow in the College of Arts and Architecture, will not be at the University Park campus on Sept. 26 as stated in an article on page 6 of the Sept. 18 *Intercom*. Kossman's visit has been rescheduled for Thursday, Nov. 20.

Carpoolers

Mike would like to join a carpool from Bellefonte/Milesburg to University Park with one or two drivers, Tuesday through Friday, 8 a.m. to 5 p.m. Please call him at (814) 353-8505.

Obituaries

Robert L. Bloom, groundskeeper, landscape, Office of Physical Plant, from July 1, 1951, until his retirement June 28, 1986; died Aug. 31 at the age of 73.

E. Rita Burch, clerk at Penn State Abington, from April 10, 1961, until her retirement May 1, 1981; died Aug. 26. She was 80.

Lewis S. Jodon, mechanic, experimental and maintenance, College of Agricultural Sciences, from Feb. 11, 1957, until his retirement Aug. 1, 1987; died July 12 at the age of 75.

Mary K. Lockhoff, senior extension agent, College of Agricultural Sciences, from July 1, 1954, until her retirement Oct. 1, 1984; died Aug. 5. She was 72.

Dorothy E. Mihelic, staff assistant, executive programs, Continuing and Distance Education, from July 9, 1962, until her retirement June 30, 1982; died July 21 at the age of 77.

Robert Michael Owens, professor of computer science and engineering, died Saturday, Sept. 13, in Pavia, Italy. A memorial service will be held Oct. 13 at 11 a.m. in the Eisenhower Chapel on the University Park campus. Family will meet with friends and colleagues immediately afterward in the Chapel Memorial Lounge.

Before joining the Penn State faculty in 1980, Owens worked for IBM and the Naval Surface Weapons Center. He was spending the 1997-98 academic year on sabbatical leave with the University of Pavia in Pavia, Italy.

Memorial contributions may be made to the Robert Michael Owens Named Memorial Fund, Engineering Development Office, 101 Hammond Building, University Park, Pa. 16802; or Robert Michael Owens Memorial Fund, The Arc of Centre County, 1840 N. Atherton Street, State College, Pa. 16803; or Trinity Lutheran Church Organ Fund, Corner of Laurel and Third Street, Philipsburg, Pa. 16866.

George L. Thuerling, director of management engineering and professor of industrial engineering, College of Engineering, from May 1, 1947, until his retirement Oct. 1, 1982; died Aug. 23 at the age of 77.

Geraldine B. Watson, nutrition advisor, College of Agricultural Sciences, from April 29, 1969, until her retirement July 1, 1988; died July 21. She was 69.

Adah A. Wolfe, research assistant, Applied Research Laboratory, from July 17, 1961, until her retirement Feb. 1, 1989; died Aug. 23. She was 72.

Private Giving

Engineer establishes \$50,000 scholarship

A gift of \$50,000 from alumnus Norbert Gaelen, a 1947 industrial engineering graduate, will endow a new scholarship for industrial engineering students with an entrepreneurial flair.

The Norbert P. Gaelen Industrial and Manufacturing Engineering Scholarship is a need-based award to be given to engineering juniors who are interested in developing entrepreneurial skills such as those provided by courses in the Engineering Leadership Development minor.

Gaelen is the chairman and owner of the O. Berk Co. in Union, New Jersey, a distributorship for glass, plastic and aluminum containers.

After his graduation in 1947, he joined the company which had been in his family since 1925. O. Berk now employs 75 people and does approximately \$50 million in sales annually.

He is a member of the Penn State President's Club and has generously supported the college for many years.

PENNSTATE



INTERCOM

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Penn State cares

Gordon Rands, assistant professor of business administration, left, and Sandy Minichiello, interview coordinator in The Smeal College of Business Administration, were among the more than 5,000 volunteers who showed up in force in Centre County Sept. 25 to complete 210 projects for the PNC Bank United Way Day of Caring. For information on more ways to contribute to the United Way, please see page 7.

Photo: Greg Griefo

Wireless technology to transform campus life

A new \$6.5 million project launched Sept. 30 on the University Park campus promises to dramatically alter the way Penn State faculty, staff and students communicate with each other. It is also expected to have an immediate impact on education, research and public safety.

Penn State, Vanguard Cellular Systems Inc.—the parent company of Cellular One in central Pennsylvania—and Northern Telecom (NORTEL) initiated the multi-million project to study the emergence, acceptance and development of digital wireless information technology. Called the Vanguard Alliance for the Advancement of Wireless Technology, this new network removes the physical boundaries typically associated with "wired" information

See "Technology" on page 3

Spanier to chair national education commission

University President Graham B. Spanier has been named chair of the Kellogg Commission on the Future of State and Land-Grant Universities, effective Jan. 1. He currently serves as a member of the commission, which is composed of 30 presidents and former presidents of state and land-grant universities.

The commission was established last year by the National Association of State Universities and Land-Grant Colleges (NASULGC) with a \$1.2 million grant from the W.K. Kellogg Foundation to refocus public higher education for the 21st century.

"Higher education has entered an era of extraordinary change," said Spanier. "It is a time of technological revolution and shifting demographics; of constrained resources and growing demand for access; of new competition; of renewed cries for accountability and greater engagement with society. In the next century, public service and outreach will

See "Commission" on page 3

At full tilt

Compliance office keeps research wheels turning

By LISA M. ROSELLINI
Public Information

The women working in the Office of Regulatory Compliance know they're usually not the first on anyone's holiday card list. In fact, they rarely receive thank you notes for the services they provide.

But the truth is, the women working in that office over the years have protected thousands of lives. Each year, they save the University and its researchers tens of thousands of dollars in fines and lost funding by making sure research guidelines

established by the federal government are followed to the letter.

Tucked neatly away at the end of the hall on the second floor of the Kern Building, the mere name of the Office of Regulatory Compliance sounds a bit ominous. Staffed by five women, the office is responsible for coordinating the review process for research projects that run the gamut from simple surveys to projects focusing on recombinant DNA. In the past year alone, the office has handled more than 3,500 research proposals involving human subjects.

"It's a heavy load, but Penn State has an excellent

See "Compliance" on page 2

Inside



Show us the money

Penn State's \$158 million capital budget request for 1998-99 has been sent on to Harrisburg. The University is seeking almost \$67 million for new construction projects. For more details, turn to page 6.



Garlic to the rescue

Eat more garlic. That's the evidence suggested by research that tests garlic's potent powers in fighting cancer. For more on this story, see page 15.

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25-year Awards



J. THOMAS EAKIN



PETER B. EVERETT



ALAN J. STENGER



SHELLY J. MILLER



CLARENCE "SAM" STOUT



MICHAEL D. TEPsic

Observing 25 years of service at the University are, from left: J. Thomas Eakin, assistant vice president, Student Affairs; Peter B. Everett, associate professor of marketing, and Alan J. Stenger, associate professor of business logistics, both in The Smeal College of Business Administration; Shelly J. Miller, administrative assistant, Dean's Office, Commonwealth College; and Clarence "Sam" Stout, carpenter A, (Shop), and Michael D. Tepsic, supervisor, Renovations, both in the Office of Physical Plant.

Compliance

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record," said Candice Yekel, director. "Our researchers are some of the finest for having ethical principles in their research. We have never had a penalty for noncompliance."

Pretty impressive considering that over the last five years the number of research proposals involving human subjects took a quantum 127 percent leap.

Yekel said the task of overseeing all levels of research at all Penn State locations (with the exception of the College of Medicine in Hershey) is daunting. Charged with examining research proposals to ensure the psychological and physical safety of subjects, the Office of Regulatory Compliance—in essence—keeps the more than \$348 million research wheel turning at Penn State. Because one violation, if deemed significant enough, could bring all University research to a screeching halt by causing Penn State to lose its "assurances" with the federal government. Assurances are Penn State's promise that it is following federal, state and local regulations that allow it to continue research.

"We know that research is essential in furthering a particular field of study and to improving the teaching and learning process," said Karen English, coordinator in the office.

"We're here to protect research subjects, researchers and Penn State."

"We are often seen as a policing agency, but we really only want to educate people," Yekel said. "We are not judging the science of a research project when we review it, but merely looking to make sure that human subjects or animals are safe. Again, Penn State's record in this area is outstanding."

Yekel acknowledged that research involving human subjects and animals is heavily regulated and promises to become even more so in the near future. A bill proposed in January by Sen. John Glenn of Ohio would tighten up federal law to include not only research facilities which receive federal support, but also those projects which are not funded by federal dollars. Penn State's own policies already cover both federally funded and non-funded proposals. In addition, the proposed legislation includes criminal penalties making it a felony—with fines up to \$10,000 and maximum three-year prison terms—to conduct research on human subjects without their informed consent.

"There is good reason for the regulations," Yekel said. "Most of these rules have been put in place as a result of the misuse of human subjects and animals in research. Although only a small portion of research in the entire country would fall under this category, it is a portion that receives a lot of media interest."

Like the recently revisited Tuskegee Syphilis Study which President Clinton apologized for on behalf of the nation in May 1997. Beginning in 1932 and conducted over a period of 40 years, the government-led experiment studied mostly uneducated black men at the Tuskegee Institute in Alabama. The experiment examined the progress of syphilis in 399 men, although the men were told they were being treated. Instead, they were given placebos while researchers watched the disease advance. Even after penicillin was identified in the mid-1940s as a cure for the disease, the government continued the study, offering no treatment to the subjects.

On the Web

For more information, contact the office or visit the Web at:
<http://www.research.psu.edu/orc/>

Who Must Comply?

- All University research at all locations (except Hershey, which has its own review board), whether sponsored or unsponsored, conducted under the auspices of Penn State must be reviewed. Even researchers conducting studies in other countries or conducting joint experiments with researchers from other institutions must still submit for a review to Penn State's Office of Regulatory Compliance.
- Students conducting dissertation work; this includes class projects conducted outside the classroom, even those involving simple questionnaires.

"This is a dramatic case of abuse, but we are here to ensure the protection of the rights and well-being of subjects," Yekel said. "The consequences for not following protocols are great. Harm to subjects, lawsuits, loss of funding for both the researcher and the University, fines and any combination of these things could result from one misstep or one misinformed researcher."

Yekel and English said they often give presentations to classes and welcome the opportunity to educate the University community regarding regulations and protocols surrounding research at Penn State.

For more information about the work of the Office of Regulatory Compliance or a research project you may be contemplating, call (814) 865-1775.

Steps for Researchers to Follow

- 1) Talk to the person within your academic unit (i.e. dean of research) or call the compliance office at (814) 865-1775 about what forms need to be filled out. Early contact is critical.
- 2) Submit information about your proposed project to the Office of Regulatory Compliance at the same time the proposal is submitted to a funding agency. All work described needs to be reviewed by the office before the project can begin, even if funding has been granted.
- 3) Review time varies with each project, but review process could take up to 45 days. Again, early submission is key.
- 4) The Institutional Review Board, composed of faculty, staff and community representatives, will study the proposal to ensure compliance with regulations. Project is either approved or more information from the researcher is sought.
- 5) Any changes in a research proposal, no matter how minute—such as increasing the number of people in a survey sample—must be given to the office for review and approval before incorporating the modification to the study.
- 6) Retroactive approval is never granted.

Commission

continued from page 1

be central obligations of higher education."

This fall, the commission is conducting regional meetings and, with the W.K. Kellogg Foundation, the American Council on Education and NASULGC, is co-sponsoring a "Forum on Change" Oct. 8-9 in Washington, D.C., to stimulate discussions on access, developing engaged institutions, the student experience and a learning society.

In actions so far, the commission is considering a broad definition of university access to include involvement with the preparation of high school and community college students for university work to graduation and life-long learning. It is looking at ways universities can demonstrate their receptiveness to change and to form partnerships, and is examining the internal and external dynamics of the learning society to include the public more effectively.

While considerable change has already occurred in the campus culture to encourage public service, the commission also is looking at the role that research and information technology have on faculty and the role that faculty play in the success of their students.

Spanier will take over the chairmanship from Ohio State President E. Gordon Gee, who will remain on the commission when he becomes president of Brown University in January.

In other national positions, Spanier was appointed to the NCAA's board of directors and executive committee by the presidents of Big Ten universities last year. He is a member of the steering committee of America Reads and serves on the board of directors of national 4-H; serves as chair of the Commission on Information Technologies; is a member of the board of directors of NASULGC; and is the convener of the President's Advisory Board on Information Technology. Penn State is a leading institution in the development of Internet 2.

The Kellogg Commission also recently announced several changes in membership and subcommittee assignments. Francis Lawrence, Rutgers University, will become chair of the subcommittee on the Learning Society. Other subcommittee chairs are Access, Sam Smith, Washington State University; Engaged Institutions, Martin Jischke, Iowa State University; and Campus Culture, David Ward, University of Wisconsin-Madison.

For more information on the activities and publications of the Kellogg Commission, go to <http://www.nasulgc.nche.edu> on the Web. The next general meetings of the Kellogg Commission are scheduled for Oct. 6-7 and Dec. 2-3 in Washington, D.C.



Look, no wires

Todd Snyder from Cellular One tests the reception of the Web on his laptop computer in the stands at Beaver Stadium on the University Park campus. The antenna on his computer picks up the digital signal from antennae located throughout the campus, including on top of the stadium press box, so Snyder doesn't need a backbone connection to surf the Web or check his e-mail.

Photo: Greg Grieco

Technology

continued from page 1

technology. Through the alliance, a private, digital wireless network has been constructed on the campus.

"This network will bring together many new information technologies that few currently have access to in one location," University President Graham B. Spanier said. "It will provide a rich atmosphere to advance student education and research, and help develop future wireless information technologies."

"In the coming months and years students and faculty may be seen increasingly around campus with laptop computers that are tied into their e-mail and the Internet not by backbone and telephone connections but through this new digital wireless system," Spanier said. "You will find students on park benches around campus surfing the Web without being tied down to wires. We also hope to see faculty and students developing unique research projects in locations that previously were not possible because lack of telephone lines and other connections would not allow the work to take place."

The alliance will foster the University's commitment to enhance the use of information technology by dramatically impacting how and where Penn State faculty and students communicate and gain access to information. The latest technology developments will be used to enhance personal communication and data transmission. Those technologies include short text messaging

capabilities with cellular phones, wireless Internet and e-mail access and data transmission applications that will allow employees to check on heating, lighting, alarms and other campus-wide systems.

Use of these technologies can have immediate impact on education, research and public safety in and around the University Park campus. Currently Penn State is leading efforts nationally to create Internet 2, a new faster version of the Internet capable of handling larger volumes of electronic information. The University processes 1 million e-mail messages daily and has approximately 100,000 e-mail accounts among faculty, staff and students at its 24 locations.

Five cell sites erected on campus make the private digital network possible. The antennae make transmission of voice or data possible from almost anywhere on the Penn State campus. They also enable a seamless transition to locations off-campus.

"We wanted to create a private wireless network that would be flexible enough to meet the everyday demands of a very large and diverse campus community, yet develop a digital environment that would be of interest to both academic and industry researchers," Griffin said. "I believe we have accomplished that goal and look forward to future developments."

The digital network is already in place and initial trials will begin shortly. Students and faculty on the

Penn State campus are expected to have access to the new system early next year.

"No one has ever assembled such a diverse team to study the emergence, acceptance and development of wireless information technology," Griffin said. "The alliance is truly a milestone and should propel other organizations to follow."

Vanguard Cellular Systems Inc., based in Greensboro, N.C., currently serves more than a half million customers in 29 different cellular markets. Vanguard is a publicly traded company listed on the NASDAQ Market under the symbol "VCELA."

During the past few months Cellular One engineers have been on campus using wireless telecommunications equipment provided by NORTEL to construct the wireless digital communications network, valued at \$6 million. In addition, as part of the agreement, Cellular One will provide \$25,000 annually to Penn State over the next four years to establish a scholarship program. Cellular One also will provide five summer co-op positions each year for students during the term of the alliance.

Also as part of the agreement, Cellular One will provide to Penn State \$100,000 annually to help stimulate further research and fund incremental program costs.

"Our next challenge is for our faculty and students to identify new ways of using these powerful new communications tools to better lives, better business and better the world we live in," Spanier said. "Penn State will become a big lab for real world applications."



Lecture series to focus on ecological topics

Penn State's Center for Sustainability will begin its fall Sustainability Seminar Series on Friday, Oct. 3 with a lecture by David Orr, author of *Earth in Mind and Ecological Literacy*. Orr, professor and chair of the Environmental Studies Program at Oberlin College, will speak on "Reassembling the Pieces: Ecological Design in Higher Education" at 3 p.m. in 111 Forum Building on the University Park campus. The series is free to the public.

■ Christopher Uhl, professor of biology, will give the second lecture on "Ecological Literacy in the Context of Penn State: A Report Card" at 3:45 p.m. Wednesday, Oct. 15, in 360 Willard Building.

Other lectures for the fall will be held at 3:30 p.m. in 360 Willard on the University Park campus. They are:

■ Thursday, Oct. 23: Elan Shapiro, Liz Walker and Jay Jacobson will present "Ecological Literacy and the Ecovillage at Ithaca: A Case Study in Sustainable Living."

■ Thursday, Nov. 6: Barbara Anderson-Siebert, author of *Sustainable Living: Design for Life* and director

of the Center for Sustainability, will discuss "Ecological Literacy and Penn State: Creating a Green Print for the Future."

■ Thursday, Nov. 13: David Ehrenfeld, author of *Arrogance of Humanism and Beginning Again People and Nature in the New Millennium*. He is a professor of biology at Rutgers University and will speak on "Ecological Literacy: The American University After the Collapse of Technology."

The Sustainability Seminar Series will end with a Sustainability Fair on Saturday, Nov. 15 in the HUB. Displays and booths will focus on the foods, farms, religious organizations as well as businesses and politics of central Pennsylvania.

The Center for Sustainability is dedicated to education, research and community outreach for socially responsible and ecologically sustainable ways of living. The seminar series is offered to further current discussions on Penn State's future. For more information, contact Siebert at (814) 865-2223 or Uhl by e-mail at cfu1@psu.edu.

Lecture, workshop tackle fairness, compassion issues

Harriet Malinowitz, associate professor of English and director of women's studies at Long Island University, Brooklyn, will give a talk titled "Disrupting Reality as We Know It: Liberal 'Rights' Discourse and Queer Pedagogy," at 5 p.m. Thursday, Oct. 16, in the Cultural Lounge of Waring Commons in West Halls, University Park.

Malinowitz will examine the use of the concepts of "fairness" and "compassion" in mainstream lesbian and gay rights organizing, and offer a critique of their application in pedagogical situations. She suggests that these constructions can be stifling to free expression and grounded, meaningful writing. As an alternative, she argues for a classroom that is open to honest and radical expressions of thought and feeling.

Malinowitz also will present a workshop on "Gay, Lesbian and Bisexual Issues in the Classroom" from 10 a.m. to noon, Friday, Oct. 17, in 101 Kern on the University Park

campus. The workshop will give the opportunity for extensive feedback and discussion about integrating material concerning gays and lesbians into courses.

Malinowitz is the author of the book *Textual Orientations: Lesbian and Gay Students and the Making of Discourse Communities* (Heinemann, 1995), as well as a number of articles on the relationships among sexuality, gender, rhetoric, writing and pedagogy. Also a playwright and fiction and comedy writer, Malinowitz's 1989 play "Minus One" was recently published in *Intimate Acts: Eight Contemporary Lesbian Plays* (Brito & Lair). She is also the chief writer of lesbian stand-up comic Sara Cytron.

This lecture is part of the Lecture Series in Lesbian, Gay and Bisexual Lives, a Continuing and Distance Education program sponsored by the Commission for Lesbian, Gay and Bisexual Equity and supported by the Equal Opportunity Planning Committee.

Thursday night is time for architecture madness

The Middle Pennsylvania Chapter of the American Institute of Architects and the Department of Architecture will sponsor a debate for the Thursday Night Madness series at 7:30 p.m. Thursday, Oct. 9, in the Nittany Lion Inn on the University Park campus.

The debate will focus on architectural education from the varying viewpoints of professional, educator, recent graduate and student. The panel will consist of Richard Hobbs, vice president of professional practice at the American Institute of Architects in Washington, D.C.; Daniel Willis, associate professor of architecture; Randy Hudson, director of design with Hayes, Large Architects of Altoona; Dave Schrade, recent Penn State graduate employed by L. Robert Kimball Associates; and David Teufel, a fifth-year architectural student.

The debate will begin at 6:30 p.m., following a cocktail hour at 5:30 and a light buffet dinner at 6:30. The debate is open to students, faculty and local practitioners. The dinner and cocktail hour are open to institute members, guests, department faculty and students, at a cost of \$25 per person. Reservations must be made through Linda Praskovich at Hoffman Popovich Architects and Associates, (814) 466-7811.

Sponsored by the Department of Architecture, the Thursday Night Madness series is a weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews.

Feminist scholar series examines gender stereotypes

Author, psychologist and teacher Margaret Matlin will open the 1997-98 Feminist Scholar Speaker Series at Penn State Erie, Behrend College, on Monday, Oct. 13 at 7:30 p.m. Her lecture, "Bimbos and Rambos: The Cognitive Basis of Gender Stereotypes," will take place in the Reed Union Building Lecture Hall.

When she received the American Psychological Foundation Award for Distinguished Teaching in 1995, Matlin was cited as "an exceptional teacher and author." A professor at SUNY Geneseo since 1971, she also directs the school's women's studies program. Matlin is recognized by both students and colleagues for her stimulating and effective lectures in cognitive psychology, psychology of women, child development, sensation and perception, conflict resolution and issues in feminism.

She has published five textbooks including *Human Experimental Psychology*, *Sensation and Perception* and *The Psychology of Women*. In addition to her recent APF award, she has received the SUNY Chancellor's Award for Excellence in Teaching and the APA Division Two Teaching of Psychology Award. She was named distinguished teaching professor in 1987 and in 1994 presented the G. Stanley Hall Lecture in Sensation and Perception at the annual convention of the American Psychological Association. Matlin serves on the committee that creates psychology questions for the Graduate Record Examinations.

Her presentation is free to the public. For more information, call (814) 898-6108.

United Nations Day Celebration set for Oct. 22

A United Nations Day Celebration will be held at 6:30 p.m. Wednesday, Oct. 22, at the Penn State University Center Hotel on the University Park campus.

Zarrin Caldwell, associate director for research in the Washington, D.C., office of the UNA-USA, will speak. Zarrin is senior reporter for the *Washington Weekly Report* and author of fact sheets on controversial U.N.-related debates. Cost of the event is \$20 per person and reservations are due by Oct. 15. For more information or to make reservations, contact Mae Smith Bixby at (814) 238-6426.

The "Furniture Guys" to share their expertise Nov. 16

The zany tool-box tutoring team best known for injecting off-the-wall humor into their step-by-step instruction on furniture repair, Ed Feldman and Joe L'Erario, will bring their helpful hints to the Penn State Conference Center Hotel on the University Park campus Nov. 16 for the "Antique Restoration and Preservation Conference."

A continuing and distance education service of the College of Arts and Architecture, this one-day conference features Penn State educators and area practitioners who will discuss the world of antiques at-large and will present techniques for restoration and preservation. Topics will include historical documents, photographs, jewelry, linens and laces, toys and dolls, furniture, china and glass. Cost is \$95.

Feldman and L'Erario host the Learning Channel's Cable Ace Award-winning show "Furniture To Go." Their how-to expertise runs the gamut from staining table tops to refinishing mirrors and repairing cigarette burns in fabric.

For those who can't attend the program in its entirety, but don't want to miss "The Furniture Guys" from 3 to 5 p.m., tickets may be purchased for \$10. For tickets, more information or to register for the conference, call (800) PSU-TODAY and refer to code #97-1653.

More Lectures

Diversity issues to be highlighted at Abington

This fall and spring, Penn State Abington will offer an ambitious diversity speaker series that features nationally known speakers.

The series includes:

■ **Steve Gunderson**, "The Struggle for Gay Rights in America," noon, Oct. 8.

Gunderson, elected to the U.S. Congress in the 1980s as a moderate Republican, became the highest ranking openly gay Republican official in history after disclosing his homosexuality in 1994. Two years later, he and his partner, Rob Morris, published an autobiography, *House and Home*. Gunderson, who has since left politics, is known for his insightful and direct public-policy analysis.

■ **Jeanne White-Ginder**, "AIDS Awareness: The Legacy of Ryan White," noon, Nov. 19.

When she learned in 1984 that her son, a hemophiliac, had contracted AIDS from a tainted blood product, Jeanne White found herself a key player in a frightening new health crisis that vaulted her from anonymity to a media regular. After Ryan died in 1990, she decided to continue his legacy of understanding, compassion and acceptance. Today, she is founder and president of the Ryan White Foundation, a nonprofit organization dedicated to educating teens on the personal, family and community issues related to HIV/AIDS.

■ **Sarah Weddington**, "Roe vs. Wade: Past and Future," noon, March 4.

Weddington argued the winning side of the historic Roe vs. Wade case before the U.S. Supreme Court. That 1973 decision ruled that women have a choice whether to continue or terminate an unwanted pregnancy. Since

then, Weddington has served in a variety of high-level roles as an advocate for women. From 1979 to 1981, she was assistant to the president of the United States and was designated by President Carter to lead White House efforts to extend the time for ratification of the national Equal Rights Amendment, among numerous other efforts.

■ **Nadine Strossen**, "Women's Rights, Pornography and Free Speech," noon, March 18.

In 1991, Strossen became the first woman to be elected president of the American Civil Liberties Union. With more than 6,000 cases pending at any given moment in courts across the country, the ACLU has been described as "Liberty's Law Firm." Strossen has written, lectured and practiced extensively in the areas of constitutional law, civil liberties and international human rights. Strossen authored the book *Defending Pornography: Free Speech, Sex and the Fight for Women's Rights* (Scribner, 1995).

■ **Elaine Chao**, "Leadership: Making a World Difference," noon, April 8.

Many credit Chao for restoring the public's confidence in the United Way, where she served as president and chief executive officer until August 1996. Now a distinguished fellow at The Heritage Foundation in Washington, Chao brought a combination of intellect, common sense and determination to the problem-plagued United Way, the country's largest charitable organization. Before joining the United Way, Chao was director of the Peace Corps. She has a background in international banking and finance; and worked as a senior executive in the banking industry and as a White House Fellow in 1983 and 1984.

For information on the series, call (215) 881-7368.

Health care cost "report cards" to be examined Oct. 16 at Harrisburg

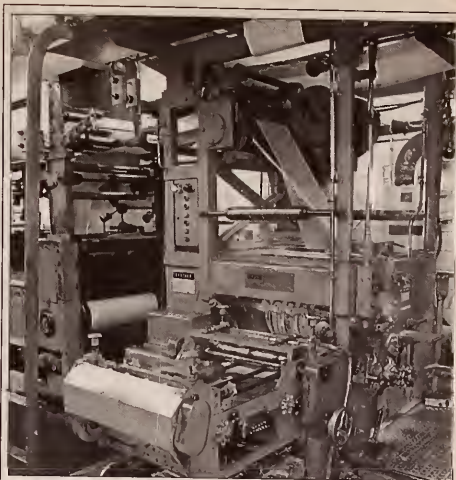
J. Marvin Bentley, associate professor of health economics at Penn State Capital College, will discuss the Pennsylvania Health Care Cost Containment Council and its "report cards" during a presentation at the Penn State Downtown Center in Harrisburg Oct. 16.

The 1:30 p.m. discussion is sponsored by the State Capital Office of the Pennsylvania State Data Center.

Bentley will talk about the government-sponsored reports cards of the

Containment Council and how the role and mission of the agency will affect the reporting. He will touch on the role and content of other government-related report cards, such as those used for community and business prospects, traffic congestion and school district report cards, and will relate them to the Cost Containment Council outcomes.

For information or a reservation, contact the Data Center at (717) 948-6464.



Keep the presses rolling

The newspaper readership program instituted this fall has been an overwhelming success. The program has made papers including the *Centre Daily Times*, whose presses are shown here, *The New York Times*, *USA Today* and numerous other Pennsylvania newspapers available to students at the University's residence locations.

Photo: Greg Grieco

Campus newspaper service an overwhelming success

By KAREN WAGNER
Public Information

Newspaper readership is back in vogue on Penn State campuses with more than 10,000 total copies of *The New York Times*, *USA Today* and seven Pennsylvania newspapers circulating each day.

As of the third week of classes this fall, three papers have experienced huge increases in popularity at the University Park campus since Penn State first introduced its Residence Hall Newspaper Readership Program. The innovative new program, launched Aug. 27, is bringing top-read newspapers to students each morning, encouraging life-long reading habits and informed citizenship.

Totals to date indicate that more than 3,000 University Park students are reading *The New York Times*, up by more than 1,000 copies since the first week of classes; more than 4,000 students are reading *USA Today*, also 1,000 more copies a day since the first week; and 2,600 copies of the *Centre Daily Times*.

At Penn State's eight other residential locations, students are reading nearly 2,000 total copies of *The New York Times*, *USA Today* and seven other local papers including the *Altoona Mirror*, *The Pittsburgh Post Gazette*, *Erie Morning News*, the *Read-*

ing Times, the *Patriot-News*, the *Standard Speaker* and the *Record Herald*.

"The newspaper readership program is an incredible win-win situation for the students, for the newspapers involved and for the environment," said President Graham B. Spanier.

A special recycling program has been arranged, with millions of pounds of shredded newspaper being converted to "PennMulch." Sold to turfgrass professionals across the United States and Canada, the product was developed several years ago by George Hamilton, a Penn State researcher. In addition to recycling the newspapers, PennMulch promised to fund a student scholarship. Next week they'll make good on that promise, forwarding \$1,000 for a scholarship that the three participating newspapers, collectively, plan to match.

If Penn State readership and recycling totals hold out, new scholarships from the recycling company and newspaper publishers will be coming in every couple of weeks.

Papers are currently being delivered to 44 residence halls at University Park and the residence halls at eight other Penn State locations. The program was funded by adding only \$5 a semester to student room and board rates, due to the low rates offered by participating newspapers.

Capital budget request on its way to Harrisburg

Penn State is sending a capital budget request to Harrisburg for nearly \$158 million for fiscal year 1998-99 with a high priority on projects that support academic programs, the use of technology and the educational experience for students.

The University is seeking almost \$67 million for new construction projects, \$86.5 million for renovations and about \$4.5 million for equipment and projects previously authorized but not yet funded by the state Legislature.

Capital project requirements are developed through the strategic planning process by individual colleges and administrative units. These requirements are then used as the basis for a long-range capital plan.

Last year, the Legislature did not pass a capital bill so the University's request is a revision of last year's request of \$102.4 million with the addition of four new projects identified in the University's five-year construction program announced last May. The request for nearly \$158 million was approved by Penn State's Board of Trustees in September. Gov. Tom Ridge made a commitment last spring to release a total of \$200 million for capital projects at Penn State over the next five years.

"New construction projects for 1998-99 give high priority to instructional facilities that support teaching and research and specialized technology classrooms and labs. They also give priority to facilities for the biological and life sciences because of anticipated growth in these areas, modernization of existing science facilities and College of Engineering consolidation," Gary Schultz, senior vice president for finance and business/treasurer said.

In order of priority, the nearly \$67 million for new construction is being requested for:

- \$12.1 million for a classroom building at University Park, because of an ongoing shortage of general-purpose classrooms. This is the second phase of a state-funded project, both of which will be additions to the University-funded Thomas Building that opened in 1992. Once this project is completed, renovations of Willard Building can begin.

"New construction projects for 1998-99 give high priority to instructional facilities that support teaching and research and specialized technology classrooms and labs."

Gary Schultz
senior vice president for
finance and business/treasurer

- \$11.9 million for the construction of a library addition at Penn State York to accommodate the growth of library materials and meet instructional requirements, and an addition to the classroom building to include an auditorium.

- \$3.75 million for an academic activities building at Penn State Harrisburg for classrooms, laboratories, offices and support spaces.

- \$11 million for a library depository at University Park. The University currently leases about 30,000 square feet of space to house archival materials and the accelerated growth of these collections, such as the United Mine Workers Archives and Seismic Tape Records, are creating a need for more storage.

- \$8 million for an addition to an existing building at Penn State Great Valley for classrooms, lecture rooms and instructional support areas.

- \$8 million for a classroom building at Altoona to accommodate the growing student population and replace temporary classroom structures.

- \$12 million for a new forestry resources building at University Park to consolidate programs and services offered by the School of Forest Resources now dispersed across the University Park campus.

The \$86.5 million for renovation projects in 1998-99 includes replacing obsolete mechanical systems, improving classroom environments and computer

connections and correcting physical features relating to the Americans with Disabilities Act. Seven projects are at University Park and one is at Mont Alto. In order of priority, they are:

- \$10.3 million for the renovation of Willard Building (1949 with additions in 1964), which will begin after the construction of Phase II of the classroom building, to be attached to the Thomas Building.

- \$8.6 million for the renovation of Sackett Building (1928) and the Engineering Units after construction of the new West Campus engineering buildings are completed.

- \$20.4 million for renovation of Chandlee Laboratory (1964) and portions of Whitmore Laboratory (1951) and Davey Laboratory (1969). The Department of Chemistry will release space in all three buildings to other academic units.

- \$9 million for renovation of Sparks Building (1915) for academic programs of the College of the Liberal Arts. Current occupants will be relocated to Chandlee Laboratory.

- \$3.2 million to renovate the General Studies Building (1926) at Penn State Mont Alto as part of the Pennsylvania State Forest Academy.

- \$15 million to renovate and complete an addition to Borland Laboratory (1932 with an addition in 1964) to keep the food science department competitive.

- \$20 million in capital renewal projects for deferred maintenance to buildings constructed at University Park from 1900 to 1970.

Penn State is also requesting about \$4.5 million for eight projects authorized in previous capital bills signed by the governor, including such things as equipment for the biomedical technology center at Penn State Fayette, the renovation of the Animal Diagnostic Laboratory and Incinerator, an electrical distribution system at University Park and a multi-purpose facility for student activities at Penn State Erie, Behrend College.

University cited for emphasis on character development

Penn State has been honored as being among the top character-building colleges in the country by the John Templeton Foundation.

"The most fundamental problem facing colleges and universities throughout America today is the challenge of developing character, conscience, citizenship, tolerance and social responsibility in a society that sometimes gives the impression that such virtues are optional," President Graham B. Spanier said at the Sept. 24 ceremony in Washington, D.C., where he joined legislators and college and university presidents to receive the award on behalf of Penn State.

The John Templeton Foundation named 134 colleges and universities to its 1997-98 Honor Roll for Character-Building Colleges, including public, private and religious institutions of higher education.

The foundation also released a reference guidebook that is being sent to high school principals, guidance counselors, public libraries and youth

workers across the country. The free guidebook can also be ordered by calling 800-245-1285 and is available at <http://www.templeton.org> on the Web.

Selection criteria for the honor roll included the extent to which an institution inspires students to develop and strengthen their moral reasoning skills, encourages spiritual growth and moral values, provides community-building experiences, advocates a drug-free lifestyle and conducts a critical assessment of character-building programs and activities.

Other Pennsylvania institutions on the honor roll are: Albright, Alvernia, Cabrini, Geneva, King's Lycoming, Messiah, Rosemont and Waynesburg colleges, Duquesne University, California University of Pennsylvania and the University of Pittsburgh at Bradford.

The John Templeton Foundation, based in Radnor, Pa., conducts studies and award programs and produces publications promoting character development of young people in secondary schools, colleges and universities.



One-stop job hunting

Students from the College of Engineering, The Smeal College of Business Administration, the Eberly College of Science and the College of Earth and Mineral Sciences turned out in force recently for Career Days 1997 at The Bryce Jordan Center on the University Park campus. Many of these same students will return to the center in December or May for commencement.

Photo: Greg Grieco

Walk, roll or golf to support the United Way

If you want to get some exercise and support the United Way at the same time, this weekend is for you.

On Saturday, Oct. 4, a new event, Walk-N-Roll, in which participants may run, walk, ride bicycles or roller blade to help the United Way, will be held at Recreation Building on the University Park campus.



And, for those interested in golf, the second Penn State University United Way Golf Tournament will be held Sunday, Oct. 5, at the Tussey Mountain course east of State College.

"Walk-N-Roll is an old idea with a new twist," said Donna Meyer, who with Sue Irwin is United Way co-chair in Undergraduate Education.

"We see it as a fun event for all ages in which participants can support the United Way. Participants can make a one-time donation, obtain a sponsor or organize a team," she said.

Registration for the event, which is being sponsored by Undergraduate Education and promoted by the United Way Team in the College of Health and Human Development, will be held at 9 a.m. at Recreation Building, with D.J. Randy Gates playing rock and roll favorites until the event begins at 10 a.m.

Meyer said the event will take place on a 3.3 mile course across campus. An alternate one-mile route is available for anyone with physical limitations. The event is to be broadcast by State College radio station WZVW.

"We've invited Penn State coaches to take part by having listeners call and make contributions on behalf of their favorite coach," Meyer said. "Also, there will be check points along the route where participants will receive chances for a drawing to be held at noon."



Make it happen

Kirk Teufel, left, Butch Diotte, Tom Borosky, Sue Irwin and Shawnee Butts are set to Walk-N-Roll. The event, in which participants may bike, walk, run, rollerblade or otherwise transport themselves to support the United Way, will be held Saturday, Oct. 4, on the University Park campus. A golf tournament also will be held in support of the United Way on Sunday, Oct. 5.

Photo: Greg Grieco

"We're hoping for a good student turnout as well as good participation from faculty and staff. We're asking everyone to help make it happen," she said.

For more information or sponsor forms, call Meyer at (814) 863-2635 or e-mail dhl15@psu.edu.

The golf tournament is sponsored again this year by Computer and Information Systems. John Dixon and Paul Peworchik are co-chairs.

The tournament will begin with registration at 1 p.m. The 18-hole round of golf will begin at 1:15 p.m. Cost of the event, which will be a four-person scramble, is \$25. It includes green fees, tee prizes, on-course refreshments, team prizes and a picnic following the golf. Go-carts also will be available before, during and after at a reduced rate.

For more information or to register, call Dixon at (814) 863-3634 or e-mail jwd1@psu.edu.

News in Brief

Child care center plans open house

The Penn State Daybridge Child Development Center will hold an open house for parents and children in its new facility at the Penn State Research Park just west of the Penn State Conference Center Hotel from 10 a.m. to 3 p.m. Saturday, Oct. 4. The public may attend.

The 13,000-square-foot center, which opened Aug. 25, provides care for children of Penn State faculty, staff and students and members of the community from the ages of six weeks to 12 years, and is open Monday through Friday from 6:30 a.m. to 6 p.m. About 100 children are now enrolled at the center, which has a capacity for 222.

The center offers a number of developmentally appropriate learning programs, including one for infants, toddlers and two-year-olds that focuses on the development of new skills, one for three to four-year-olds and a prekindergarten program for four- and five-year-olds. It also offers before and after kindergarten and elementary school care. Transportation to and from State College Area School District elementary schools is provided by the center.

Penn State signed a contract with Children's World Learning Centers of Golden, Colo., last winter to design, build and operate the child care center.

Other child care programs at University Park include the center at Cedar Building and the College of Health and Human Development Child Development Laboratory in Henderson Building.

The Daybridge Child Development Center Open House will have a fall festival theme. Center staff will offer activities for children allowing parents to tour the facility and learn about the programs from staff.

For more information, contact Gail Maisson, director of the center, at (814) 861-4391.

Exhibition game

The top-ranked Penn State women's volleyball team will host the USA Women's National Volleyball Team in an exhibition match on Monday, Oct. 6, at 7:30 p.m. in Recreation Building. Admission is \$4 for adults and \$2 for students, youth and senior citizens. WPSX Television will broadcast the match on a same-night tape-delay basis beginning at 10 p.m.

"Midnight Madness"

Penn State's men's and women's basketball teams will be on display at "Midnight Madness" in The Bryce Jordan Center Friday, Oct. 17, at 12 a.m. Doors open at 11 p.m. In addition to meeting the members of the Nittany Lions and Lady Lions, a number of exciting activities are planned, including a slam dunk exhibition and a three-point shooting contest.

Nutrition study participants needed

Penny Kris-Etherton, distinguished professor of nutrition, is studying the effects of margarine sup-

plemented with plant sterols (substances that have been demonstrated to reduce blood cholesterol levels) on cardiovascular disease risk. During the study period, from Oct. 20 through Dec. 19, subjects will be required to come to the Diet Study Center in 224 N. Henderson Building to eat breakfast and dinner, Monday through Friday. Lunch and weekend meals will be given to participants to take with them. Participants must eat only what they are given and nothing else (except for Thanksgiving day).

Participants can earn up to \$500 for taking part. Males and females between 20 and 67 years of age, who are in good health and are willing to eat a wide variety of foods (including meat), are sought. For more information, call 863-3168.

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs, complete the registration form found in the back of the fall HRDC catalog, and fax to (814) 863-3522.

■ **Getting Organized!** PER 023—Oct. 22, 11 a.m. to 1 p.m., Paul Robeson Cultural Center Conference Room. Cost: \$29.

■ **Supervisor Skills for Coping with Conflict in the Workplace, LDR 072**—Oct. 22, 1:30-5 p.m., 319 Rider Building. Cost: \$59.

■ **Anger and Assertiveness Skills, COM 018**—Oct. 24, 9 a.m. to 4 p.m., 319 Rider Building. Cost: \$89.

ARTS & ENTERTAINMENT

AT PENN STATE



Free recital

Dmitri Schirin, a faculty member at the St. Petersburg Academy of Culture, will present a free piano recital at 3 p.m. Sunday, Oct. 5, in the Recital Hall on the University Park campus.

"Picasso" on stage

The University Resident Theatre Company launches its 1997-98 season Friday, Oct. 3, with the new comedy "Picasso at the Lapin Agile," written by actor, comedian and playwright Steve Martin. The URTC production of this play, which runs through Oct. 11, is one of the first in Pennsylvania. The performances take place at the Playhouse on the University Park campus.

Performances begin at 8 p.m., with a 2 p.m. matinee Saturday, Oct. 4.

Robert E. Leonard, head of the MFA directing program in the School of Theatre Arts, directs the production.

For ticket information call the Arts Ticket Center at (814) 863-0255.

Piano recital

Dmitri Schirin will present a free piano recital at 3 p.m. Sunday, Oct. 5, in the School of Music Recital Hall on the University Park campus.

Schirin, on the piano faculty of the St. Petersburg Academy of Culture, graduated with honors from both the Leningrad Music College and the Leningrad Conservatory. He has given concerts and conducted master classes all over Russia and Germany.

Philharmonic concert

The Penn State Philharmonic opens its 1997-98 season with the Academic Festival Overture for an all-Brahms concert at 8 p.m. Tuesday, Oct. 7, in

Eisenhower Auditorium on the University Park campus. The orchestra is under the direction of Pu-Qi Jiang, associate professor of music.

More than 130 musicians will perform three movements from "A German Requiem" when the Concert Choir joins the orchestra under the baton of guest conductor Douglas Miller, professor of music.

Tickets are \$4.50 for adults, \$2.50 for students and are available at the door.

Violin/piano recital

Duo Concertant, featuring violinist James Lyon and pianist Timothy Shafer, will perform a recital of music for violin/piano duo at 8 p.m. Wednesday, Oct. 8, in the School of Music Recital Hall on the University Park campus.

The recital by the two associate professors of music is free to the public.

Bach's Lunch

The Hi-Lo's, under the direction of Bruce Trinkle, associate professor of music, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 9, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The 20-minute free concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The Hi-Lo's is an 18-voice singing group from the Penn State Glee Club. For the Bach's Lunch concert, they will premiere a new arrangement of "He'd Have to Get Out and Get Under" by Trinkle.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Women's issues acted out

"What does a woman really want?" This question is the driving force in Cliff Young's award-winning play, "Elma," which will be performed in 112 Kern on the University Park campus at 7:30 p.m. on Oct. 9 through 12. A discussion of women's issues raised by the play will follow each performance.

"Elma" is the fourth production by The Next Stage Inc., a non-profit, tax-exempt theatre production company founded by three members of the Penn State English department. Tickets are \$7 at the door.

"Carousel" coming

The Center for the Performing Arts brings the Rodgers and Hammerstein musical "Carousel" to the University Park campus at 8 p.m. Thursday and Friday, Oct. 9 and 10, in Eisenhower Auditorium.

Based on the play "Liliom" by Hungarian playwright Ferenc Molnar, "Carousel" is a story of love and redemption.

Prices are \$32.50, \$27.50 and \$23.50 for general admission and \$27.50, \$23.50 and \$20.50 for students.

For tickets or more information, contact the Arts Ticket Center at (814) 863-0255. Outside the local calling area, phone (800) 278-7849.

Musical group at Behrend

The Multicultural Council at Penn State Erie, Behrend College, will host "Chicano: 500 Years of Struggle" on Tuesday, Oct. 13 at 7:30 p.m. The program is performed by the musical group Alma, renowned for its Latino music and its acute sense of history and social context. The performance, which is free to the public, will take place in the Reed Union Building Commons.

"Chicano: 500 Years of Struggle" examines Mexican-American history and Latinos' unresolved economic, racial and legal issues through songs, stories and poetry. Alma's music blends Mexican, Latin American and Afro-Cuban influences. The group will sing in both Spanish and English, and will offer poetry and dramatic narratives that tell the stories of cultural heroes.

For more information, call (814) 898-6171.

Diverse Cultures plays

Several short plays are being presented this semester on the University Park campus as part of The Diverse



BRYCE JORDAN CENTER

Elton John to appear

Elton John, international rock superstar, will be making a first-ever appearance at The Bryce Jordan Center at 8 p.m. Tuesday, Nov. 4. This will be his only Pennsylvania appearance on this tour.

Elton John was the single most successful pop artist of the '70s, and he continued to score hits for the next two decades. In the mid-1970s, he had a streak of 16 straight Top 20 hits. In 1994, he contributed five new songs for the original motion picture soundtrack of the movie "The Lion King," and won an Academy Award for Best Achievement in Music for an original song for "Can You Feel the Love Tonight." That same year, Elton John was inducted into the Rock and Roll Hall of Fame.

For more information on Bryce Jordan Center events, visit the Web at <http://www.bjc.psu.edu/>.

Cultures Workshop in the School of Theatre Arts, including:

■ Nov. 16: "Fires in the Mirror," which documents the tensions between Blacks and Jews in the Crown Heights neighborhood of Brooklyn, at 5 p.m. in Room 6 of the Theatre Arts Building.

■ Nov. 6: "Rice of Strangers," a play concerned with the internment of Japanese-Americans during World War II, at 5 p.m. in Room 6 of the Theatre Arts Building.

■ Nov. 20: "Children of Paradise," an African realistic play which focuses on people's reaction to Colonialism. For time and place, call 863-9413.

The presentations are free to the public. The Diverse Cultures Workshop is a class which uses the study and performing of plays as a way to learn about different cultures. For more information, call the above number or e-mail cx28@psu.edu.

HUB art classes

Art classes begin at the HUB Arts and Crafts Center the week of Oct. 27. Classes meet once a week for six weeks. Registrations are now being taken for all classes. Cost is \$50 for students; \$60 for non-students (pottery prices vary); senior citizens over age 65 receive a 50 percent discount.

Classes for adults include jewelry, drawing, mixed media, painting, stained glass, watercolor and pottery. For class times and more information, call (814) 863-0611.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, October 3

- "Red Wing," concert, noon, Kern Graduate Commons.
- "Picasso at the Lapin Agile," 8 p.m., Oct. 3; 2 and 8 p.m., Oct. 4; 8 p.m., Oct. 7 through 11, The Playhouse. For tickets, phone (814) 863-0255.*

Saturday, October 4

- United Way's "Walk N' Roll," 10 a.m., Recreation Building.
- Limón Dance Company, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Sunday, October 5

- "An In-Ish Tale" by Wood and Strings Puppet Theatre, 1 and 3 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Palmer Museum of Art's 25th Anniversary, 1 to 4 p.m., Palmer Museum of Art.

Dmitri Schirin, piano, guest recital, 3 p.m., Recital Hall.*

Tuesday, October 7

- All-Brahms Concert, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.*

Wednesday, October 8

The United States Marine Band, 7:30 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

James Lyon, violin, and Timothy Shaler, piano, faculty recital, 8 p.m., Recital Hall.*

Thursday, October 9

- "The H-Lo's," Bach's Lunch, 12:10 p.m., Eisenhower Chapel.*
- "Elma," 7:30 p.m., 112 Kern, through Oct. 12.*
- "Debate on Architectural Education," 7:30 p.m., The Nittany Lion Inn. For reservations, phone (814) 466-7811.*
- "Carousel," 8 p.m., Eisenhower Auditorium, through Oct. 10. For tickets, phone (814) 863-0255.*

Friday, October 10

- "Dixie Lion Five," concert, noon, Kern Graduate Commons.
- Robin Seymour on "Marsden Hartley's Modernism," gallery talk, 2 p.m., Christoffers Lobby.
- NBA Basketball, 7:30 p.m., The Bryce Jordan Center.

Sunday, October 12

Percussion studio recital, 8 p.m., Recital Hall.

SEMINARS

Friday, October 3

Wolfgang H. Sackes on "Design of the Compact Disc Player," 11 a.m., SS Osmond Laboratory.

David Orr on "Reassembling the Pieces: Ecological Literacy in Higher Education," 3 p.m., 111 Forum.*

Larry Spence on "Why Lecture? The New Focus on Learning," 4 p.m., 206 Walker.

Monday, October 6

- Dolores Huerta on "Farm Workers' Struggle for Justice," 7 p.m., 112 Kern.

Tuesday, October 7

Magnus Jóhannsson on "The Interrelationship Between Sporophytic and Gametophytic Performance in a Wild and Cultivated Cucurbita Pepo," 4 p.m., 8 Mueller Laboratory.

Sandra Faulkner, Jill Dworzanski, Tammy Overand and Jamie Rayman on "What You Don't Know Will Hurt You: What Every Student Should Know About Rape/Sexual Assault," 7:30 p.m., East Halls.

Wednesday, October 8

Jennifer Tomscha on "Toward Dissection of the Genetics Underlying Plant Responses to Phosphate Deficiency: A New Class of Arabidopsis Mutants," 12:20 p.m. to 1:10 p.m., 112 Buckhout Laboratory.

- Deborah Cohen on "The Border, the Journey, the Work: Braceros Envision their Labor, their Nation, Themselves," 3 to 5 p.m., 102 Weaver.

Jacob K. Thomas on "The Equity Risk Premium is Much Lower Than You Think," 3:30 to 5 p.m., 333 Beam Business Administration.

Paul M. Campbell on "Proximal Probe Based Fabrication of Nanostructures and the Ultimate Size Limit of Electronic Devices," 3:35 to 4:25 p.m., 108 Sackett.



Practice makes perfect

Timothy Shaler on piano and James Lyon on violin practice for their "Duo Concertant" recital. Their performance will be at 8 p.m. Oct. 8.

Photo: Greg Grieco

Michael Marsiske on "Sensorimotor Aging and Cognition: Exploring the Connections, 4 to 5 p.m., 101 Health and Human Development East.

Susan Dey and Corbin Bersen host video and discussion on "Campus Rape," 7:30 p.m., East Halls.

Franco Ricci on "Painting with Words, Writing with Pictures: Italo Calvino and Paul Klee," 8 p.m., 102 Chambers.

Thursday, October 9

Marie-Louise Saboungi on "Anomalous Magnetoresistance in Non-Magnetic Materials," 3:30 p.m., 101 Osmond Laboratory.

Zlatko Drmac on "Recent Development in Accurate Floating-Point Computation of the Singular Value Decomposition of Products and Quotients of Matrices," 4 p.m., 302 Pond Laboratory.

Friday, October 10

Sue Friedman on "Marc Bloch and the Challenges of Sociology and Geography," 4 p.m., 206 Walker.

CONFERENCES

Friday, October 3

"Michel Foucault and the Possibilities of Transformative Critique," 101 Kern, through Oct. 4.

David Buckel on "Interventions with Lesbian, Gay, Bisexual and Transgender Youths: From Practice to Policy," through Oct. 5.

Sunday, October 12

Sanitation Short Course, The Nittany Lion Inn, through Oct. 14.

"Advances in Oak Genetics," Penn State Hotel and Conference Center, through Oct. 17.

EXHIBITS

HUB Art Alley Cases

HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Art Alley Panels

Kyle Eaddy on "Ninja Warriors," through Nov. 2.

HUB Browning Gallery

Sculptures by Marilyn Collins, through Oct. 31.

HUB Formel Gallery

■ "Beijing and Beyond: Women Artists Respond to the World Conference on Women," through Oct. 25.

Kern Panels

■ Photos by Candace Leonard, "Focusing: Twentieth-Century Spanish Playwrights," through Oct. 20.

Kern Tell and Flet Cess

Wood sculpture by Mike George, through Oct. 19.

Palmer Museum of Art

"Photographs by the Steiglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

■ "Twenty-Fifth Anniversary Exhibition: Prints from the Sixteenth through Early Twentieth Centuries," Special Exhibition Gallery I, Oct. 5 through Dec. 21.

Pettee Library

"The Nittany Lion: An Illustrated Tale — The Exhibit," University Archives/Penn State Room, through Oct. 19.

Zoller Gallery

B.F.A. Student Exhibition, Oct. 8 through 28.

■ Reflects international perspective.

* For additional information on this event, please see either the lecture or arts and entertainment pages of this issue.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>



A regular column provided by
the Office of Human Resources

Designating minors as beneficiaries

It is essential to use the correct wording when designating a life insurance beneficiary for your Penn State group term life insurance, particularly if a beneficiary happens to be a minor (under 18 years of age).

By law, life insurance cannot be provided directly to a minor. The University's life insurance carrier, the Prudential Insurance Co., provides the following guidelines for faculty and staff to consider in handling such beneficiary designations.

- Settlement can be made to the court-appointed legal guardian of the property or estate of the minor.

- In the absence of a legal guardian, the proceeds can be held until the minor is 18.

- An informal trust can be established with a trustee designated to manage the insurance proceeds for the benefit of the minor, when it is determined that no guardian will be appointed and the amount of the proceeds is less than \$50,000.

- Other options may be available under the Uniform Transfer to Minors Act (UTMA), if the proceeds do not exceed an established threshold, currently \$10,000 in Pennsylvania. The UTMA is not available in all states, and those that provide it may have thresholds that vary from Pennsylvania's. The UTMA that applies is determined by the residence of the minor. Upon request, Prudential can provide guidance in this area.

Questions about the correct wording when making beneficiary designations can be directed to the University's Employee Benefits Division, at (814) 865-1473 or e-mail: BENE@psu.edu.

Mexican official to visit Harrisburg

The capital region's evolving educational, cultural and economic relationship with Mexico is growing even stronger. One of Mexico's leading political figures, Sen. María de los Angeles Moreno, will be in Harrisburg through Oct. 5 on a visit that will include talks with the political, educational and economic development leadership of the area.

Moreno will be accompanied by Andres Manning, a member of the Hidalgo State Congress and president of the Institute of Public Administration of Hidalgo, a continuing education and applied research organization which is state- and member-funded. The visit by Sen. Moreno and Manning is being arranged through the institute and Penn State Harrisburg, Capital College's Office of Community Outreach.

Moreno, former president of the Mexican political PRI Party which had ruled Mexico since 1929, but recently

lost its legislative majority to a coalition of opposition groups, has led national and international debate on women's rights for 20 years. Her name has been advanced as a possible Mexican presidential candidate.

On Friday, Oct. 3, Moreno will lead a 1:30 p.m. conference at the Downtown Center which is open to the public and will include simultaneous television video links to five other locations including Tec de Monterrey campuses in the State of Mexico, and the cities of Monterrey and Pachuca as well as one at the National University of Mexico in Mexico City and one at Penn State Harrisburg. Her topic will be "Women's Rights: An International Dialogue." As part of the discussion, Penn State Capital College faculty member Carol Nechemias will respond to Sen. Moreno's remarks.

At the provost's dinner on Oct. 3, a highlight will be the signing of a cooperative agreement between the Penn

State Harrisburg School of Public Affairs and the Institute of Public Administration of Hidalgo to exchange information and explore cooperative initiatives between the two in the areas of public affairs and public administration. The agreement may include: continued development of periodic video-conferencing seminars, the exchange of information reports; joint development and delivery of education and training programs; the development of student and faculty exchange opportunities; and the development of technical assistance, applied research programs and professional service activities to assist federal, state and local governments. The link also heralds a relationship between Penn State Harrisburg and the Tec de Monterrey. In partnership with the Institute of Public Administration of Hidalgo, Penn State Harrisburg will offer public administration courses at the institution's Hidalgo campus.



No business like shoe business

Bill English an independent consultant from Alva, Fla., was at the Joseph Valentine Turf testing field on the University Park campus to show how his machine can measure sport shoe traction. Representatives from Nike, Adidas and Converse also were on hand to test their sports shoes on the many different types of turf the University grows.

Photo: Greg Grieco

New at Penn State

New center supports educational efforts

A groundbreaking partnership between the Capital Area Intermediate Unit and Penn State Harrisburg's Education programs could soon ease the challenge of curriculum development in area schools.

Through the newly created Center for the Improvement of Teaching and Learning in the School of Behavioral Sciences and Education at Harrisburg, a project to develop an electronic curriculum management system to aid schools in the entire region already is under way.

Steven Melnick, director of the center, said the project is designed to make curriculum development more efficient for area public schools which face challenges to fund leadership positions in research, curriculum and staff development.

"The center is in the process of developing a database system which will address content objectives, teaching strategies, available materials and other resources which can be accessed by school districts. The districts will be able to draw from what other districts are doing in curriculum development and increase classroom teacher efficiency," he said.

The overall aim of the center is to assist schools in improving classroom instruction and student learning and to provide the support needed to identify and implement "best practices."

For more information, call Melnick at (717) 948-6218.

Faculty/Staff Alerts

Health Matters Programs

To register for the following programs at University Park, please contact Jan Hawbaker at (814) 865-3085 or jqh3@psu.edu.

■ Know Your Numbers Cardiovascular Risk Appraisal

Thursday, Oct. 9 in the HUB Gallery Lounge. Program includes screenings for blood pressure, body mass index and total and HDL cholesterol, as well as an explanation of your results. Cost is \$15, reimbursable to HMO participants.

■ **Enlightening Lunch — The Non-Toxic Home** Learn about alternative non-toxic cleaners, plants you can use to improve the air quality in your home, how to have safer drinking water and how to avoid using materials in your home that may contribute to headaches, sinus infections and other illnesses. Meets Friday, Oct. 10, from noon to 1 p.m., 110 Henderson Building (The Living Center). Cost: none.

■ **Employee Assistance Program (EAP) Courses** — **Understanding Your EAP:** Meets Tuesday, Oct. 14, from 1:30-2:15 p.m., in 319 Rider Building. Cost: none.

— **EAP: The Supervisor's Role:** Illustrates how a supervisor may interact with the employee relations division, human resources representatives and the EAP when an employee's personal problems affect his/her work. Meets Tuesday, Oct. 14, from 1:30-3:30 p.m. in 319 Rider Building. Cost: none.

Future of the Book

Electronic text Librarian Steven Ellis is often asked what the future of the book might be. Although a concrete answer doesn't exist currently, the University Libraries' Electronic Text Center provides many examples of how the electronic book, or "electronic text," has been imagined in the last few years and how it may be in the future.

The center, on the fourth floor of East Patten Library, provides access to a number of text collections, such as the English Poetry Database, which contains the works of more than 1,350 poets from the year 600-1900, and the Database of African-American Poetry, which contains the works of 54 African-American poets writing in the 18th and 19th centuries.

Available to all Penn State scholars at <http://www.libraries.psu.edu/crsweb/text/textctr.htm>, these databases provide a unique portrait of early America.

Large text collections like this take advantage of the processing capabilities of the computer and may be searched for keywords pertaining to names, places, even themes. To schedule the center or make an appointment, contact Ellis at (814) 863-1334 or sre6@psu.edu.

Penn State collector's ornament

This year's "Christmas at Penn State" collector's ornament features the Palmer Museum of Art, which is celebrating its 25th anniversary this year. The ornament is the ninth in a series of 24-karat gold on brass, numbered ornaments depicting Penn State landmarks and icons.

The "Christmas at Penn State" ornament is a cooperative project between the Easter Seal Society of Central Pennsylvania and the University. Proceeds benefit children with disabilities in Central Pennsylvania.

To order: Call or write the Easter Seal Society of

Central Pennsylvania, 1300 S. Allen Street, State College, Pa. 16801, (814) 238-4434 or 501 Valley View Blvd., Altoona, Pa. 16602, (814) 944-5014. Ornaments retail for \$14.95 plus tax and shipping and handling, where applicable.

Breast Cancer Awareness Month

October is Breast Cancer Awareness Month. Across the nation, family members, community groups and cancer coalitions are gearing up to remind us that through self awareness, capable medical care and family support, a woman's chance of surviving breast cancer is very good.

In Pennsylvania and New York, cancer coalitions involved in the Northern Appalachia Leadership Initiative on Cancer (NALIC) will raise awareness by wrapping pink ribbons around the trees in their communities. Organizers expect a total 30,000 yards of ribbon will be wrapped.

For more information on NALIC, call Ann Ward, project manager, at (814) 863-8693.

Tailgate Party

Courtesy of AT&T, The Bryce Jordan Center Tailgate Party will be free to the public this football season.

Join the Penn State Blue Band, the Penn State cheerleaders and the Nittany Lion mascot for a Jordan Center pep rally, three hours before kickoff. When possible, the bands of visiting teams also will make an appearance.

Traditional tailgate food such as hot sausages, kielbasa, pork barbecue and steak sandwiches will be sold at concession booths inside and outside the Jordan Center.

The pep rally will end approximately one hour before kickoff with a march from the Jordan Center to Beaver Stadium — fans can march along with the Penn State Blue Band, the Nittany Lion mascot, the Penn State cheerleaders and the Penn State Dance Team. The AT&T Penn State Tailgate Party is sponsored by AT&T in association with WTJ-TV10, WRSC/WBLE, the Penn State Alumni Association and the Nittany Lion Club.

New vendor Web site

A new World Wide Web site that provides easy access to vendor product information and contract pricing is the result of a cooperative effort among the University's Office of Business Services, Purchasing Services, Applied Research Laboratory, Office of Administrative Systems and a new business partner — VWR Scientific Products. This user-friendly site at <http://catalog.psu.edu> makes access to product specifications, pictures and contract pricing as easy as point and click. Browse through the catalog and then simply click on the blue-shaded "ADD" and the item will automatically drop into your virtual shopping cart. When you're done shopping, you are only a step or two away from e-mailing your release from a standing order to the on-campus Penn State/VWR Scientific Stores Warehouse.

Reminder

The closing date for receipt of Evan Pugh Professorship nominating materials is Friday, Oct. 31. All nominations must be submitted in accordance with established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. For current nomination guidelines, call (814) 863-9580, e-mail vx12@psu.edu or visit 304 Old Main, University Park.

\$1.8 million NSF grant to fund math project in College of Education

M. Kathleen Heid, associate professor of mathematics education in the College of Education, is director of a newly funded four-year, \$1.8 million National Science Foundation project. Faculty and graduate students at Penn State will collaborate with project co-director Rose Mary Zbiek and graduate students at the University of Iowa to create and test new computer-algebra and dynamic-geometry curricula. The team also will study how students learn mathematics in these technology-intensive settings.

"It's time to reexamine the shop-keeper mathematics we have taught students in the past century and to get students in touch with mathematical ideas that will keep them informed about the world in which they now live," Heid said. "Students who complete our curriculum will learn mathematics that will help them function as informed and intelligent citizens in the 21st century."

Heid and Zbiek will oversee the development, field testing and evaluation and dissemination of curriculum materials. In addition, their research team will conduct an intensive investigation into the ways students learn mathematics with technology-intensive curricula like these.

Students will use calculators or computer technology that includes a linked computer-algebra system and a dynamic-geometry tool. A computer-algebra system is computer or calculator software that performs algebra and calculus routines (solving equations, simplifying algebraic expressions, graphing functions, computing derivatives, etc.). A dynamic-geometry tool is computer or calculator software that allows students to examine relationships among parts of geometric figures by dynamically manipulating figures they have constructed. Students also will have access to calculator-based data-gathering tools and electronic databases.

The curriculum materials will build on and complement the work of previous NSF projects conducted by Heid and her colleagues. Curriculum materials will be piloted by teachers who have participated in the multi-year teacher development project, "Empowering Mathematics Teachers in Computer-Intensive Environments," co-directed by Heid and Glen Blume, also in the College of Education.

Pilot tests will be conducted at two closely monitored sites, and field tests will be conducted at geographically, demographically and ethnically different settings. Sites will include schools with high minority populations in inner cities, magnet schools, rural and suburban schools.

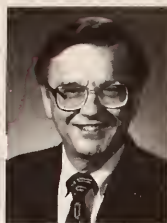
Other members of the curriculum development and research team include: Blume; Jon Choate, mathematics teacher at Groton School; David Bressoud of Macalester College, formerly a Penn State mathematics department faculty member; and Paul Goldenberg, senior scientist at the Educational Development Corporation in Newton, Mass.

Partings

Grants and contracts coordinator retires after 27 years in same college

Richard L. Erwin, coordinator of grants and contracts management, Dean's Office, College of Health and Human Development, retired with 27 years of service. Erwin joined its predecessor college, the College of Human Development, on Oct. 1, 1970, as research assistant and became senior research assistant in the Dean's Office in 1992.

Under Erwin's leadership, the grants and contracts office has expanded its proposal submissions to 200 grants each year, now processing \$15 million annually in awards from various foundations and government agencies. Among his many accomplishments are providing leadership in developing and marketing software application programs for grants offices and submitting the first computerized grant applications to the National Institutes of



RICHARD L. ERWIN

Health and the National Science Foundation.

In 1992, Erwin won the college's Carol Clark Ford Award in recognition of his unflinching support of and service to faculty. Before joining the college, he spent 10 years working in industry.

His plans for retirement include some travel and more time for ballroom dancing. He is currently treasurer of the Central Pennsylvania Ballroom Dancers Association and his wife, Marlee, a local artist, is past president. The Erwins also are active in square dancing and round dancing.

Erwin is a 1960 graduate of the College of Education with a major in industrial arts and a minor in physical science and math. Before attending college, he spent four years in the U.S. Navy. He is a native of Aliquippa.

Associate professor retires with emeritus status

Richard B. Gidez, associate professor emeritus of English and American studies, retired after 38 years of service. A native of Boston, he graduated from the Boston Latin School and holds degrees from Harvard University, Columbia University and The Ohio State University. A member of the Penn State faculty since 1959, Gidez specialized in American literature, particularly American fiction and drama. In 1986, he published a book on the British novelist P.D. James.

In addition to his teaching and research, Gidez was especially active in his service to the English department, the College of the Liberal Arts and the University. He served the department as its scheduling officer, director of undergraduate studies, director of the honors program in English



RICHARD B. GIDEZ

and associate director of the graduate program. He also served on more than 60 master's and doctoral committees. He chaired the committee which recently completed a total overhaul of the undergraduate program and instituted more than 20 new courses.

For many years he served the college as a member of the curricular affairs committee, which he chaired from 1988-1996. A member of the Faculty Senate, he served on the senate curricular affairs committee.

An opera fan and theatre buff, he joined the board of the State College Community Theatre in 1971 and served three times as its president. During the last 28 years, he appeared in more than 30 productions and assisted the Bohl Barn in many ways.

Professor served for 29 years

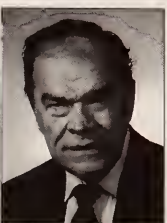
Juris G. Draguns, professor of psychology, has retired after 29 years. Born in Riga, Latvia, he graduated magna cum laude from Utica College of Syracuse University.

He subsequently earned a doctorate in clinical psychology from the University of Rochester.

Draguns has a longstanding interest in the intersection of clinical psychology and culture. Among his numerous scholarly contributions, Draguns is former editor of the *Journal of Cross Cultural Psychology* and has co-edited several editions of *Counseling Across Cultures* (the most recent edition is the fourth, published in 1996).

Draguns also is known for his close and humanitarian work with students.

He is currently involved in organizing group discussions in Latvia, with the aim of improving inter-ethnic relations and preventing conflict. Along with Russian and American colleagues, he also is involved with translating and pretesting the NEO PI-R personality scale in Russia.



JURIS G. DRAGUNS

Professor emeritus has long, varied career

Alan E. Knight, professor of French, was named professor emeritus upon his retirement from the University on June 30. His association with Penn State spanned 33 years and included departmental administration, along with teaching and research.

Knight received his B.A. degree in 1958 in French from Florida State University, his M.A. degree in 1960 in French literature from Fordham University, and his Ph.D. in 1965 in French literature from Yale University. He joined the Penn State faculty in 1964.

As a research scholar, Knight has published numerous articles on various aspects of medieval French theatre with a recent focus on the Lille professional plays. Over the next few years, two major projects will appear in book form. The first, *The Stage as*



ALAN E. KNIGHT

Professor taught for three decades

William J. Duiker, professor of history and liberal arts professor of East Asian studies, has retired after 30 years. Duiker is a leading authority in modern

Vietnamese history and East Asian international relations. He earned his undergraduate degree at Dickinson College and received both his master's and doctorate degrees from Georgetown University. Before joining the Penn State faculty in 1967, Duiker served as a foreign service officer with the Department of State.

His publications, including more than 10 monographs and numerous articles and book chapters, investigate a variety of topics such as nationalism and communism in Vietnam; education and revolution in modern China; and U.S. containment policy in Indochina.

Duiker is an internationally recognized expert in these areas and has served as consultant for PBS, the NEH and the National Geographic Society. He regularly lectures at the Foreign Service Institute in Washington, D.C.

Duiker served for many years as graduate officer for the Department of History and the chair of the East Asian studies committee. Proficient in several languages, including Vietnamese, Chinese, Russian and French, Duiker is an avid world traveler and even in retirement continues to write and to direct graduate students completing their work. He is now completing a long-planned biography of the Vietnamese revolutionary Ho Chi Minh.



WILLIAM J. DUIKER

Mirror, a collection of papers from the 1993 Penn State conference on medieval theatre, will be published this month by Boydell & Brewer, Great Britain. The second project is an edition of 72, 15th-century processional plays from the city of Lille, France. The edition will be published in five volumes by Librairie Droz, Geneva, and will appear over the next several years.

As a teacher, Knight taught French language and literature courses at the undergraduate and graduate levels.

At various times, he served as chair of the Medieval Studies Committee that oversees the undergraduate medieval studies major. Although officially retired, Knight continues his research activities and will occasionally teach Ph.D. seminars on various aspects of medieval French literature.

Achievement awards nominations requested

Nominations for the 1998 Faculty and Staff Achievement Awards are being sought from University and local community organizations and individuals. Nominators should contact the Office of Human Resources at (814) 863-6188 to request a copy of a standardized format for submitting nominations. The form also is available on the Office of Human Resources home page at <http://www.ohr.psu.edu>, under the Documents section. Nominations should be sent to Billie S. Willits, Box 6, Rider Building, no later than Monday, Dec. 1. Supporting information which accompanies nominations should be as brief as possible.

Descriptions of the awards follows:

■ The Barash Award for Human Service was created in 1975 by the family of the late Sy Barash. The award, which carries a stipend of \$1,000, is awarded to a full-time member of the faculty, staff or student body of Penn State at University Park who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans. These human service activities must have been performed in University Park, the Borough of State College or College, Patton, Harris or Ferguson townships.

■ The McKay Donkin Award was established in 1969 in honor of the late McKay Donkin who served as vice president for finance and treasurer of the University from 1957 to 1968. The award, which consists of a \$500 stipend, is presented to the full-time faculty or staff, or retiree who has contributed most

to the "economic, physical, mental or social welfare of the faculty." The contributions of the nominee should be for duties or services which are above and beyond his or her regularly assigned duties.

■ The Administrative Excellence Award carries a stipend of \$500 and is made to a member of the staff of the University whose performance, methods and achievements exemplify administrative excellence. Important criteria considered in the evaluation of nominees include total experience in an administrative position, accumulation levels of responsibility and authority, years of service at the University and in present position, and impact on own organization and on the University in general.

■ The Staff Excellence Award, established in 1993, carries a stipend of \$500. The award is made annually to a member of the staff of the University who has demonstrated and practiced the philosophy of continuous quality improvement, team spirit and managerial excellence, and has provided leadership in establishing a quality service orientation in the performance of assigned duties. To be eligible for the award, full-time staff must have at least five years of University service.

■ The Support Staff Award, established in 1997, carries a stipend of \$500 and recognizes the overall high-quality performance of a member of the support staff in fulfilling the mission of the University and of his/her college or administrative unit. It is given to a full-time member of the support staff in recognition of dedicated focus to customer service,

commitment to quality improvement, outstanding skills and abilities, teamwork and professionalism. To be eligible for this award, a staff member must have at least five years of active University service.

■ The Dr. James Robinson Equal Opportunity Award, sponsored by the Penn State Alumni Association and given in honor of James Robinson, 1949, a devoted alumnus and former Alumni Council member, is designed to recognize a University faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding. To be eligible for this award, full-time faculty and staff must have at least two years of active University service.

The award carries a \$1,500 stipend and recognizes one or more of the following criteria: demonstrated commitment to the spirit of equal opportunity through affirmative action; demonstrated leadership in the elimination of discrimination through encouragement of understanding between people of different races, sexes, age groups, sexual orientation, ethnicity or religious heritage; and has demonstrated commitment to meeting the special needs of students, faculty or staff who are members of traditionally underrepresented groups.

Six subcommittees will screen nominations and develop recommendations for the respective awards. Early submission of nomination forms is encouraged.

Awards

Financial information systems manager cited for her dedication

Janice A. Barnoff, manager, financial information systems in the Corporate Controller's Office, has received the 1997 Charles R. Chambers Memorial Award.

The award was established in 1979 by family and friends of the late Charles R. Chambers, director of accounting at the University from 1967 to 1977. It honors employees of the Corporate Controller's Office who "exhibit a conscientious and dedicated attitude toward their professional responsibilities above that normally expected or required."

Barnoff began her employment with the University in 1986 as a senior auditor-computer systems in the auditing department. In 1990 she was promoted to her present position.



JANICE A. BARNOFF

Professor earns award for excellence

Richard J. Frisque, professor of biochemistry and molecular biology, is the winner of the 1997 C.I. Noll Award for Excellence in Teaching. He will receive the award on Oct. 3, at the Eberly College of Science Student and Alumni Awards Reception in The Nittany Lion Inn Assembly Room at 7:30 p.m.

Sponsored by the Eberly College of Science Student Council and Alumni Society, the award is the colleges highest honor for undergraduate teaching. The winner is chosen by a committee of students and faculty from nominees suggested by students, faculty, and alumni. The award includes a monetary grant and the inscription of his name on a plaque alongside previous C.I. Noll Award winners.

Frisque has taught both undergraduate and graduate courses ranging throughout the biochemistry and molecular biology curriculum at Penn State. He has received consistently high evaluations from his students, who have commented on his clarity, organization and enthusiasm, his approachability, and his enjoyable sense of humor.

Frisque also is dedicated to teaching his students ethical standards in science. He created, developed and taught a graduate course on "Ethical Issues in Biomedical Science" and went on to integrate the study of ethics into undergraduate science



RICHARD J. FRISQUE

courses. He has volunteered to conduct sessions on integrating ethics into technical courses for other faculty at Penn State.

A specialist in viral pathogenicity and oncogenicity, Frisque's research centers on the molecular aspects and the unique biology of the human JC virus (JCV). The virus is known to infect nearly 70 percent of the adult population worldwide and, in certain individuals, can lead to a fatal brain disease and may play a role in some cancers.

Frisque joined the Penn State faculty as an assistant professor in 1982 and was promoted to associate professor in 1987 and to professor in 1993. From 1989 to 1991 he was director of the Summer Symposium in Molecular Biology. He earned a bachelor of science degree in medical microbiology in 1974 and a doctoral degree in tumor virology at the University of Wisconsin in 1978. He was a postdoctoral fellow in molecular virology at Cold Spring Harbor Laboratory from 1978 to 1981.

Frisque was appointed to the International Committee on the Taxonomy of Viruses in 1988 and to the American Type Culture Collection Advisory Committee in 1993; was invited to participate in the "Ethics Across the Curriculum Workshop" in 1994; and was the recipient of the first Penn State Graduate Teaching award in 1992 and the Daniel Tershak Award for Outstanding Teaching in 1995.

Appointments

Altoona Career Development and Placement Services names director

Penn State Altoona recently appointed Rebecca A. Bruning director of Career Development and Placement Services. As Penn State Altoona makes the transition to a four-year institution, she will work with area companies, businesses and alumni to develop internship and co-op opportunities for students. She also will serve students and alumni in resumé and interview preparation, and in linking students with local and campus job fairs.

Before joining Penn State Altoona, Bruning was interim director of the Career Development Office at Seton Hill College in Greensburg, Pa., where she upgraded that office's computer programs, created a home page on the World Wide Web, and introduced the use of the Internet for job searching.

She is a magna cum laude graduate of Indiana University of Pennsylvania with a master of arts degree in student affairs in higher education, and a graduate of State University of New York College at Fredonia where she received a bachelor of arts degree in communication.

College of Engineering names first holder of newly established Pearce Professorship

The College of Engineering has established a new category of endowed faculty positions — Faculty Development Professorships.

The income from these endowments will provide new faculty the resources to establish their careers at Penn State, and may be used to purchase equipment for research specialties, support one or more graduate students for research, or for travel to funding agencies and conference presentations. Faculty will hold the appointment for three years, with a possibility of renewal.

The first of these faculty development endowments, the Allen E. Pearce/Allen M. Pearce Professorship in Engineering, is held by Mary I. Frecker, assistant professor of mechanical engineering. This is her first academic appointment; she earned her Ph.D. in mechanical engineering in May from the University of Michigan.

Frecker's research interests are in the areas of optimal design and design automation. Her Ph.D. thesis focused on developing a computational technique for designing flexible structures to accomplish various tasks without the aid of hinged joints — such as pliers without a joint. She is developing the underlying theory for the design of these flexible structures for this emerging field. Single-piece mechanisms that have "give" might be used as components for automated assembly lines in manufacturing, such as grippers to pick up and move parts or crimping devices; and they have the potential to be important in micro-electromechanical systems because they are easy to make on the micro-level using silicon chip technology. They also eliminate friction problems through their lack of joints.

She earned her Ph.D. and M.S.E. in mechanical engineering at the University of Michigan and her B.M.E. from the University of Dayton.

Capital College welcomes manager of safety and police services

Veteran Mount Lebanon, Pa., police officer Kevin J. Stoehr is Penn State Capital College's new manager of safety and police services.

Stoehr spent 20 years on the Mount Lebanon force and was deputy chief of police for six years. He assumed his Penn State position on July 1.

In his safety and police services position, he will be responsible for overall planning, organization, implementation and maintenance of effective programs and service for law enforcement on the Penn State Harrisburg and Penn State Schuylkill campuses.

Stoehr holds a bachelor of science degree in business administration and a master's degree in criminal justice from Duquesne University in Pittsburgh, where he has served as an adjunct professor in sociology and criminal justice.



MARY I. FRECKER



Hands-on learning

Jerome Pasto, curator of the agricultural museum bearing his name at the Russell E. Larson Agricultural Research Center at Rock Springs, near the University Park campus, allows students to feel freshly milled corn. The first- and second-grade students were on a field trip to the Pasto Agricultural Museum to see antique farm machinery. For museum hours and more information, call (814) 865-2541.

Photo: Greg Grieco

Promotions

Staff

Kelly A. Miller, staff assistant V in College of Health and Human Development.

Donna L. Millinghausen, finance and accounting assistant at Penn State Abington.

Paula L. Morgan, staff assistant VI in Research and Graduate School.

Betty L. Moore, senior research analyst in Student Affairs.

Judith A. Moyer, director, conference services, The Nittany Lion Inn.

Todd E. Myers, communications engineer II in Computer and Information Systems-Telecommunications.

Paul Newlin, director of continuing education at Penn State Erie, Behrend College.

Glenn A. Pancoast, engineering aide in Applied Research Laboratory.

Joseph R. Pascuzzi, computer support specialist at Penn State Berks.

David A. Quinn, culinary services manager, The Nittany Lion Inn.

Stephanie A. Raco, staff assistant VI, The Nittany Lion Inn.

Vincent M. Raco, senior assistant manager, food service in Housing and Food Services.

Mary Anne Raymond, administrative assistant III in Eberly College of Science.

Peggy E. Repasky, staff assistant VIII in College of Education.

Deborah D. Reynolds, executive housekeeper, The Nittany Lion Inn.

Patricia L. Roenigk, director, planned giving and endowments in Division of Development and Alumni Relations.

Sandra L. Schmale, staff assistant VII at Penn State Berks.

Christopher A. Sills, engineering aide in Applied Research Laboratory.

Karen K. Tzilkowski, staff assistant VI in College of Education.

Vincent C. Verbeke, systems analyst in College of Agricultural Sciences.

Annette H. Woytowich, human resources coordinator II in Continuing and Distance Education.

Candice A. Yekel, director, regulatory affairs in Research and Graduate School.

Joseph E. Zuravlev, restaurant manager, The Nittany Lion Inn.

Research

Garlic, onions better than leeks in blocking carcinogen

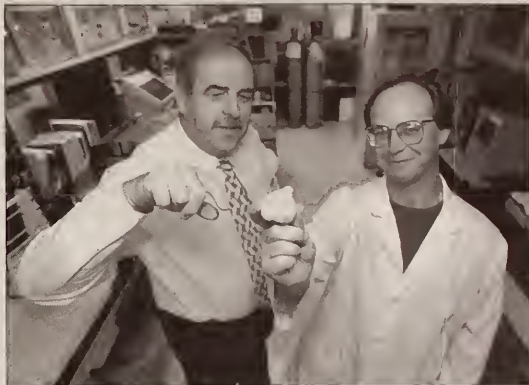
By BARBARA HALE
Public Information

In laboratory tests, garlic and onions block the formation of a potent carcinogen better than their milder cousin, the leek, a study has found.

John Milner, professor and head of the Department of Nutrition in the College of Health and Human Development, is leader of the study. He said the results are consistent with epidemiological evidence from China which shows that those who have a higher consumption of vegetables from the onion family have a reduced cancer risk.

There is a growing body of evidence that plants from the garlic or *Allium* family, which includes onions, leeks and chives, are effective cancer fighters, said Milner. This study, however, is the first to show that not all *Allium* foods are equal in their ability to retard the formation of cancer-causing compounds.

The researchers found that water extracts of garlic, deodorized garlic powder and onions each blocked the ability of two chemicals, nitrite and morpholine, to link to form N-nitrosomorpholine, a known liver carcinogen. The leeks' blocking ability, on the other hand, was minimal.



John Milner, professor and head of the department of Nutrition, left, has found that plants from the garlic family are effective cancer fighters, although not all work equally well. Graduate student Eric Schaffer, right, also is doing research on nutrients and cancer prevention.

Photo: Greg Grieco

"Since deodorized garlic powder and garlic produced comparable results, the benefits cannot relate to odor causing constituents," Milner said.

N-nitrosomorpholine is a member of the nitrosamine family of chemicals, many of which are potent carcinogens. Most nitrosamines are produced naturally in the body from nitrates and nitrites in water and foods. "Since garlic and

onions can block the formation of N-nitrosomorpholine, it is likely it will reduce the formation of other nitrosamines," Milner said.

The researchers also found that a water-soluble, sulfur-containing compound found in processed garlic, called S-allyl cysteine, depressed the formation of the carcinogen. In addition, the sulfur compound reduced N-nitrosomorpholine's ability to

alter DNA, the genetic material present in cells.

"The benefits of eating garlic and onions is more than a blocking of nitrosamine formation but is also due to blocking their subsequent metabolism," Milner said.

"Well over 90 percent of nitrosamines are considered carcinogens," He said. "Anything you can do to counteract their effects should be important in reducing cancer risk."

Research



Proper iron balance is essential for good health

The 2,300 residents of the Country Meadows retirement facilities in Hershey no longer have an iron supplement as part of their daily vitamins. Workers also are currently installing water filters to remove all iron from water and ice makers at the 10 facilities. "We believe we are the front runners on this issue. I personally stopped taking iron supplements with my vitamins after learning about Dr. James Connor's research," said George Leader, former governor of Pennsylvania and chairman and founder of Country Meadows.

"We estimate as many as 70 percent of the elderly population take iron as part of a vitamin supplement. This is not necessary and may even be harmful to them. An accumulation of iron in the body can be seen in patients with certain types of cancer, cardiovascular disease and some neurological diseases, such as Parkinson's disease," said Connor, professor of neuroscience and anatomy at The Hershey Medical Center.

For most people iron continues to accumulate as we get older. Connor says the only way the body can get rid of excess iron is through loss of blood.

Connor said iron blood levels should be monitored because a lack of iron in the body also can be harmful. Symptoms associated with low iron status include cognitive and motor impairment for young children and restless leg syndrome in adults.

He recommends that to guard against excessive iron accumulation, eat a balanced diet and do not use supplements unless a deficiency has been diagnosed.

There's more to developing a computer system than meets the eye

Executives take note: the next time your company undergoes a major information systems upgrade, consider it more than just rolling out new computer technology, said an associate professor at Penn State Great Valley.

Building an information system is a rare opportunity for organizations to examine current assumptions and standard operating procedures — processes that can boost productivity and profits, said Eric Stein, associate professor of management information systems and management science. Stein's co-researcher on the topic was Betty Vandenbosch, Lewis-Progressive

assistant professor of management information systems at Case Western University's Weatherhead School of Management.

"Systems professionals, executives and managers need to realize that building an information system is not the only benefit of systems development — It provides a rare opportunity to reflect and to learn," Stein said.

Before beginning systems development, an organization's leaders should adopt a "big picture" view of the project, not simply defining it in technical terms, the researchers said. For instance, employees who will use the new system, as well as

managers with expertise in specific areas, should be encouraged to vigorously discuss and defend their needs and requirements.

Other ways to capitalize on systems development include viewing conflicts as learning opportunities and not attempting to minimize heated discussions on organizational issues.

"By hashing processes out simultaneously to the actual system development, organizational practices have a far better chance of producing change for the better," Stein said.

It's also critical for those most involved in new system develop-

ment to invite frequent feedback by other employees throughout all stages of development. Such openness will maintain and promote organization-wide buy-in to the project, they said. Further, it's risky to withhold information from colleagues in an effort to manipulate or control the systems development process.

"When people are forced to reflect on how they undertake their work in order to explain how to automate it, they have the opportunity to modify their understanding of how their work processes can be improved," Stein and Vandenbosch said.

Dean sought for new Schreyer Honors College

A search committee has been appointed to identify candidates for the position of dean of The Schreyer Honors College. Robert D. Steele, dean of the College of Agricultural Sciences, is committee chair.

The dean of the honors college serves as principal academic leader and chief executive officer of the college and reports directly to the executive vice president and provost of the University. The dean is responsible for planning, budgeting, implementation, fund raising, and for the quality of teaching and research. The dean works collaboratively with the Schreyer Institute for Teaching and Learning, a think tank that develops and tests new approaches to learning.

The position requires an individual who can lead effectively and manage a college that is a multidisciplinary center of undergraduate academic excellence. Candidates are expected to have significant academic achievement with credentials appropriate for a tenured appointment at the rank of professor. Prior experience in academic administration with responsibility for personnel, programs and resources is required. Salary will be commensurate with experience and qualifications.

The Schreyer Honors College is built upon a highly successful, nationally renowned scholars program led by selected faculty from the University at large. The college provides study abroad opportunities; professional internships; mentoring by alumni; thesis research; special classes taught by top teachers and scholars; and a national forum for new learning methods. Three hundred freshmen enter the program each year and will build on the success of the University Scholars Program, which enrolls annually approximately 1,500 academically gifted undergraduates.

Other members of the committee are: Roger M. Downs, professor and head of the Department of Geography; Louis F. Geschwinder Jr., professor of architectural engineering and 1997-98 chair of the University Faculty Senate; Linda C. Higginson, assistant to the senior vice president and dean of the Commonwealth College; Marilyn S. Keat, associate director of University Scholars Program; John P. Lowe, professor of chemistry; John W. Moore Jr., associate professor of English and comparative literature; Robert Secor, vice provost for academic affairs and personnel; and Stefan S. Williams, undergraduate student in materials science and engineering.

Nominations, applications, and inquiries should be submitted to Steele, chair of the Search Committee for the Dean of The Schreyer Honors College, The Pennsylvania State University, 201 Old Main, Box PSI, University Park, Pa. 16802. Applications and nominations will continue to be received until the position is filled. For more information on The Schreyer Honors College, check the Web at <http://www.psu.edu/ur/state/schreyer.html>.



In her sights

Liz Simon, a senior landscape contracting student, is surveying the land near the Intramural Building on the University Park campus during a class taught by Dan Slemons, associate professor of landscape contracting. On this recent day, Simon and her classmates were able to enjoy mild temperatures. However, light frosts, early morning chilly temperatures and changing leaves are all signals that those mild days are numbered.

Photo: Greg Grieco

Carpoolers

- Barb is seeking a carpooler from McAlevy's Fort to University Park. Work hours are 8 a.m. to 4:30 p.m. Call (814) 867-3195.
- Lindsey is looking for people to carpool from Tyrone to University Park. Work hours are from 8 a.m. to 5 p.m. Call 865-3447 or e-mail lmd3@psu.edu.
- Carpooler needed from Kylertown or Philipsburg to University Park. Working hours are 8 a.m. to 5 p.m. Call Mary Ann at 865-6563 or e-mail mqc9@psu.edu.

For the Record

There has been a change in the Cardinal Bernardin Faculty/Staff Fellowship schedule, listed on page 4 of the Sept. 25 *Intercom*. The topic for the Oct. 13 talk has changed to "Wisdom from the Desert: Spiritual Guidance from the Fathers and Mothers of the Egyptian Desert," with M. Gruber, O.S.B., of Saint Vincent's Archabbey, Latrobe, Pa.

PENNSTATE INTERCOM

Department of Public Information
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Volume 27, Number 8

Expansion heralds new partnership with state

The expansion of the Science and Technology Building at Penn State Harrisburg ushers in a new era of partnership between the college and the state Department of Environmental Protection.

As the college broke ground Saturday, Oct. 4, for the \$1.1 million, 6,000-square-foot expansion, state sec-

retary of environmental protection James M. Seif announced his agency is providing a \$500,000 grant to support the project. The funds will help to enhance Penn State Harrisburg education—including its new bachelor of science in environmental engineering. Penn State Harrisburg also has recently introduced a bachelor of science

degree in electrical engineering.

The addition to the building constructed in 1982 will include a pilot lab, air quality lab, two research labs, faculty offices and a seminar room.

For its contribution and commitment, DEP will have priority use of a state-of-the-art multimedia classroom, a pilot water treatment facility for

hands-on training and research, and an administrative office. In addition, DEP will have access to other classrooms, labs and equipment in the Science and Technology Building and others on campus.

Initially, DEP intends to use the facility to train operators of water and

See "Partners" on page 2

Going up

The 14, 100-square-foot addition to Noll Laboratory on the University Park campus is beginning to take shape. The \$2.3 million job will house the new Clinical Research Center, which will conduct studies on the chemical and physical processes continuously going on in the body. The structure is a joint undertaking between the College of Medicine at Hershey and the College of Health and Human Development.

Currently the project, being constructed by contractor J.C. Orr and Sons Inc. of Altoona, is 5 percent complete. The addition is expected to be ready for occupancy by mid-March 1998.



Photos: Greg Grieco



State General Assembly OKs capital projects bill

The University is one step closer to gaining much-needed funding for several capital projects. On Oct. 2, the Pennsylvania General Assembly approved the state's 1998-99 capital budget. At press time, it was expected that Gov. Tom Ridge would act on the bill shortly.

The \$6 billion list of public and private building projects includes more than \$121 million for classroom and laboratory renovations and capital renewal at University Park; \$124 million for renovation and expansion of the University Park Airport; and \$79.4 million for projects at the University's locations in Altoona, Erie, Harrisburg, DuBois, Great Valley, Mont Alto, McKeesport and York.

Passage of the capital budget bill does not automatically mean funds will be available. Instead, it allows for future funding of the listed projects.

Committees seeking names of best teachers

Nominations are being sought for the 1998 Atherton, Eisenhower and Alumni Teaching Fellow teaching awards. All of these awards will be presented at the Awards Program in March 1998.

■ The George W. Atherton Award for Excellence in Teaching recognizes excellence in teaching performance in the undergraduate program of the University. Up to four awards will be presented. Faculty members at all locations are eligible.

To be eligible for nomination, a faculty member must have been a full-time member of the University faculty for a minimum of three years; and have undergraduate teaching as a major portion of her or

See "Teaching" on page 2

Inside



Forum returns

The lunchtime speaker series, the Penn State Forum, kicks off a new semester of lectures with a talk by Justice Richard Goldstone. For more information on the talk, turn to page 5.

Classic changes



The music world has been evolving to make room for a variety of musical styles. For more information, see Focus on Research on page 11.

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GLAD you asked

Q. As chair of the Joint Committee on Insurance and Benefits, I often receive questions from faculty and staff members regarding coverage for specific procedures under the Penn State health plans. Recently I have been questioned regarding the lack of coverage for PSA, which is a screening test for prostate cancer in men. Can you elaborate on the University's position regarding this screening test?

— George Frantz
associate professor of history and American studies
Penn State Delaware County

A. Many factors are considered when determining coverage issues under the University health plans. Both the Healthpass PPO and the Hospital/Surgical/Major Medical Plan (Plan A) are, by design, sickness and accident plans. Unlike HMOs, which provide preventive care, Healthpass PPO and Plan A do not provide coverage for routine physicals or health screenings.

Additionally, decisions to amend either plan are made in conjunction with the medical directors of the plans as well as the plan administrator. Among the factors considered are the effectiveness and reliability of the procedures, as documented by long-term studies and evaluations by practicing professionals in a particular field of treatment. University officials have had numerous discussions with the medical directors of the plans regarding this sensitive issue.

Even though Penn State is not subject to public policy requirements, it can be another factor that determines if a particular procedure is covered under a health care plan. For example, coverage for routine mammograms and pap tests are mandated by the Commonwealth. Penn State elected to include that coverage. Currently, there is no public policy regarding PSAs.

Screening for prostate cancer is ordinarily done by digital rectal examination (DRE). While prostate-specific antigen (PSA) is a more sensitive indicator, it is not very specific. In other words, PSA produces many false positive results.

Because of its high sensitivity, PSA is commonly used (in conjunction with the digital rectal exam) to screen asymptomatic men. However, according to medical experts, this practice is controversial — not so much because of the high false positive rate, but because early detection of prostate cancer (unlike most other cancers) is not necessarily an advantage. Since most prostate cancers occur in older men and progress very slowly, a small cancer may never require treatment. Early detection may lead to unnecessary treatment (with all of the associated risk and disability), or it may result in prolonged anxiety for the patient.

Long-term studies are in progress to determine whether or not PSA screening reduces the mortality rate of prostate cancer. As this and other information becomes available, Penn State, in conjunction with the plans' medical director and administrator, will continue to evaluate the results and suggest any change in the plans that may be indicated.

— Phil Carlin
benefits specialist
Office of Human Resources

Promotions

Staff

Julie J. Acker, assistant director in Student Affairs.
Shirley V. Bair, staff assistant VII in Corporate Controller's Office.
Sherry A. Brennan, assistant director of development in Division of Development and Alumni Relations.
Jan L. Budman, supervisor of the dining room at The Nittany Lion Inn.
Robert C. Byers, coordinator of equipment and stockroom in Intercollegiate Athletics.
Cleop A. Campbell, administrative assistant II in College of Health and Human Development.
Mary A. Clark, staff assistant V in Housing and Food Services.
Kenneth I. Clarke, director of student activities in Student Affairs.
John D. Corro, systems analyst in Computer and Information Systems-Administrative Systems.
Kathy A. Crestani, staff assistant VI in Student Affairs.
Cecelia A. Eastman, staff assistant V in Student Affairs.
Beth A. Eckert, marketing information coordinator in Computer and Information Systems-Center for Academic Computing.

Gregory I. Fredericks, microcomputer information specialist in the Applied Research Laboratory.
Edward A. Good, assistant engineering aide in the Applied Research Laboratory.
Karen R. Haldean, staff assistant VI in Student Affairs.
Susan E. Houser, library assistant II in University Libraries.
Amy L. Johnson, academic support programs coordinator at Penn State Erie, Behrend College.
Patricia A. Johnstone, clinical social worker in Student Affairs.
Christine R. Jones, administrative assistant I in The Smeal College of Business Administration.
Damian J. Kastner, assistant banquet supervisor at The Nittany Lion Inn.
Willie Kelly, information systems assistant II in Computer and Information Systems-Administrative Systems.

Technical Service

Steven E. Allison, farm machinery and facility mechanic A, College of Agricultural Sciences.
James R. Lobb, maintenance worker-general B, Office of Physical Plant.

Teaching

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his assigned duties.

■ The Milton S. Eisenhower Award for Distinguished Teaching is given in recognition of distinguished teaching at the University. A maximum of two awards may be given.

To be eligible for nomination for this award, a person must be a tenured member of the faculty; have been employed as a full-time University faculty member for at least five years; and have undergraduate teaching as a major portion of her or his assignment. Members of a research staff, administrators (including department heads), and those who are predominantly teachers of graduate students are not eligible for this award.

■ The Alumni Teaching Fellow Award was established jointly by the Alumni Association, the Undergraduate Student Government and the Graduate Student Association. It honors out-

standing teaching while providing encouragement and incentive for teaching excellence at Penn State. One award will be given.

Recipients of this award are expected to share their talents and expertise with others throughout the University system. Yearlong responsibilities may include such activities as participating in workshops and symposia, giving lectures or presentations on teaching techniques for new faculty and graduate assistants, taking part in discussions or seminars with students in the University Scholars Program and teaching honors courses.

To be eligible for nomination a faculty member must be full-time, with a minimum of three years teaching experience. Evaluations will be based on demonstrated excellence and lasting impact in the following areas: scholarly teaching, academic advising and overall career guidance.

The deadline for nominations is Oct. 24. For more information and nomination forms, contact the Center for Excellence in Learning and Teaching, 401 Grange Building, University Park or call (814) 863-2599.

Partners

continued from page 1

wastewater treatment systems and related staff. Eventually, usage could be expanded to offer training in other environmental areas. Construction is expected to be completed in less than a year.

"DEP is excited about this partnership with Penn State Harrisburg and looks forward to expanding the partnership to the entire Penn State system," Seif said. "Through the use of distance education, we will be able to make environmental training more accessible and affordable than it is today."

The expansion of the Science and Technology

Building will enhance and strengthen graduate and undergraduate engineering education at both Capital College campuses — Harrisburg and Schuylkill — by providing hands-on operation of a functioning treatment system, according to John G. Bruhn, Penn State Harrisburg provost and dean.

The groundbreaking heralds a historic transformation of the 218-acre Penn State Harrisburg campus. Construction is scheduled to begin on a \$17.7 million library and \$16.5 million in new student housing in the next fiscal year. In addition, the University's capital budget request to the Commonwealth includes \$3.75 million for an academic activities building at Penn State Harrisburg for classrooms, labs, offices and support spaces.



Topping it off

Workers backdrop an area of the Sarni Tennis Facility on the University Park campus. When completed, the facility will have seven outdoor courts, all lighted for night play, including one "stadium" court with seating for 1,100 spectators. In addition, the center will feature a new varsity tennis clubhouse, created through the renovation of an existing hen house on the Bigler Road site.

Photo: Greg Grieco

Obituaries

Penny Atkinson Garban, 58, and Barbara Cain Grubb, 60, two former Penn State employees, died in a drowning accident Saturday, Sept. 27, at Marco Island, Fla.

Penny Garban retired from Penn State in 1993 as coordinator in the Alumni Association. Her husband, Steve, retired as senior vice president of finance and treasurer at Penn State in 1993. She graduated from Penn State in 1961 with a degree in elementary education. She taught in both Cleveland and State College, and worked at several advertising firms before joining the University staff. Memorial contributions can be made to The Penny A. Garban Memorial Fund, The Pennsylvania State University, One Old Main, University Park, Pa. 16802.

Barbara Grubb retired from Penn State in 1991 as coordinator of alumni affairs for the Smeal College of Business Administra-

tion. Her husband, Richard, is the retired dean of the Commonwealth Educational System. Barbara Grubb was a 1959 graduate of Penn State with a bachelor's degree in education and a 1981 graduate of Penn State with a master's degree in business administration. After holding positions as a teacher of mentally retarded and brain-injured students and an elementary school teacher, she came to the Smeal College in 1982, where she held a variety of posts over the years before being named the college's first full-time coordinator of alumni affairs. Memorial contributions may be made to the Pine Hall Lutheran Church Building Fund, 1760 W. College Ave., State College, Pa. 16801 or to the Richard and Barbara Grubb Agricultural Excellence Award, The Pennsylvania State University, One Old Main, University Park, Pa. 16802.

■ Commission for Women

Plans laid out during annual retreat for tackling a variety of issues

During its annual retreat last week, the Commission for Women hammered out an ambitious agenda for the coming year for tackling issues affecting University women.

The 40-member commission, an advisory group to President Graham B. Spanier which recommends policies and programs to improve the working and learning environment for women faculty, staff and students, discussed items ranging from the establishment of a mentoring program for women in the Commonwealth College to embarking on a study that will look at hiring practices in the faculty ranks.

"Some of our most pressing issues that certainly command attention are possible salary inequities, the need for more females in leadership positions and a need to enhance the voice for staff employees within the University, because there are so many women in the staff ranks," said Robin Anderson, chair-elect of the commission.

In the past, the Commission for Women has undertaken such projects as a study of women's experiences on the tenure track; an update on the status of women at Penn State; increasing professional development opportunities for technical service workers; and increasing child care options at the University.

This year, one issue commission members will focus on is where the University stands in its hiring of female faculty in each college. Commission members hope to gather data on the percentage of women faculty in each area and determine if salary inequities exist within the various colleges. In terms of faculty issues, Mary Jane Irwin, professor of computer science and engineering and chair of the Committee on Faculty Issues and Development, said her group also plans to conduct a "time in rank" study to discover how much time female tenure-track faculty members may be spending at the associate professor level, before being promoted.

"While much attention is paid to the promotion and tenure of faculty from the assistant to associate level due to the ticking tenure clock, no one is monitoring the time that promotable faculty spend at the associate rank," Irwin said. "Anecdotal evidence indicates that men may be climbing the promotion ladder faster than women with similar credentials."

The group also plans to conduct numerous workshops dealing with promotion and tenure issues, negotiating skills and networking.

Through its Liaison Committee, which helps the Commission for Women take up the concerns of females at other Penn State locations outside of University Park, the commission hopes to once again increase communication efforts and cultivate opportunities for women by creating a mentoring program.

Lynda Goldstein, assistant professor of English at Penn State Wilkes-Barre and chair of the Liaison Committee, said issues of isolation, advancement opportunities, professional development and an insufficient

"Some of our most pressing issues ... are possible salary inequities, the need for more females in leadership positions and a need to enhance the voice for staff employees within the University, because there are so many women in the staff ranks."

— Robin Anderson
chair-elect of the commission

number of females in leadership positions are often magnified for women at locations outside of University Park. A mentoring program would provide career development and professional growth; help groom women for leadership roles; provide encouragement and help employees adapt; and in a large system such as Penn State, would act as a support system.

Anderson, who heads the Staff Issues and Development Committee, said her group would be focusing on strengthening staff voice. First on the agenda will be identifying avenues that staff can take in order to be heard, such as the newly formed Staff Focus Committee headed by Billie Willits, assistant vice president for human resources. Anderson said it was imperative for University staff members to have input on decisions that affect them. In a Faculty/Staff Survey conducted last year by the Office of Human Resources, communication among various segments of the University was identified as a key issue of concern for staff.

Throughout the year, the Commission for Women plans to identify other resources available to staff, such as human resource representatives, sexual harassment officers, senior management and the Employee Relations division, and will attempt to determine how effective these channels are in dealing with issues that affect women staff. In addition, the commission will look into the potential growth areas within the University and the possible advancement opportunities for women staff within these areas.

A study of the job classification system—the Staff Position Evaluation and Compensation (SPEC) program—is also in the offing as the commission hopes to take a closer look at the SPEC levels by gender and salary distribution across job families and position type. It also will investigate the number of openings in each SPEC category per year.

"The Commission for Women plans to continue looking at the issues that seriously affect women across this University," said Tineke Cunniff, current chair of the commission. "We have made tremendous strides in the past, and I'm sure more will be added to our agenda as the year continues."

The commission meets once a month through June. The next meeting will be Oct. 13, from 3-5 p.m. in 404 Old Main on the University Park campus.

LECTURES

Nationally known doctor to examine future of medicine

Dr. Andrew Weil and other leading experts in integrative health care will be highlighted in "The Future of American Medicine — Changing Paradigms for Healing" Oct. 20-21 at The Penn State Conference Center Hotel on the University Park campus.

The conference, a compilation of three events, includes a practitioner's symposium on integrative medicine, an evening public lecture by Weil and a "Future Directions in Health-Based Teaching" conference geared toward educating health care professionals about the new era of integrative medicine.

Weil has gained national recognition for his unique perspective in health care and for challenging con-



ANDREW WEIL

ventional diagnostic and treatment methods. Weil will present his thoughts and findings not only during the conference but also at an evening public lecture at 8 p.m., Monday Oct. 20, at The Nittany Lion Inn. Individuals also have the opportunity to spend one-on-one time with Weil during a pre-lecture, private reception to be held the same evening.

This conference and evening lecture are open to the public.

For more information about the Future of American Medicine conference and to arrange possible interview times with Weil, call Georgia Abbey, senior conference planner, at (614) 863-5110. A Web site also is available at <http://www.cde.psu.edu/CEI/FutureHealth/>.

History of African Americans in Pennsylvania focus of Oct. 21 lecture

The rich history of African Americans in Pennsylvania will be the discussion topic during a noontime public presentation Oct. 21 at the Penn State Downtown Center in Harrisburg.

Joe W. Trotter Jr., the Mellon Bank Professor of history at Carnegie-Mellon University in Pittsburgh, will focus on "African Americans in Pennsylvania: Why History Matters" in the free presentation co-sponsored by the Penn State Downtown Center and the Pennsylvania Historical and Museum Commission.

In his presentation, Trotter will provide an overview of the main themes of African American history in Pennsylvania, assess how our view of the past is informed by current concerns, and address why an under-

standing of the past is important in understanding the present. Trotter is the editor, with Eric Ledell Smith, of *African Americans in Pennsylvania: Shifting Historical Perspectives*, recently co-published by the Penn State University Press and the Historical and Museum Commission.

A question-and-answer period will follow his presentation. Registration is necessary to ensure adequate seating. For registration or information, phone (717) 783-0433. The Penn State Downtown Center is at 234 N. Third St.

The public also may attend a reception and book signing in honor of Trotter's book from 3:30 to 4:30 p.m. on Oct. 21 at the gift shop of the State Museum, Third and North streets in Harrisburg.

Madness hits architecture department

Washington, D.C., architect Mark McInturf will be the featured speaker at the Department of Architecture's Thursday Night Madness series at 8 p.m. Oct. 16 in 112 Walker Building on the University Park campus.

McInturf is the principal of McInturf Architects and has won more than 100 design awards for residential and commercial projects. A frequent guest lecturer and critic, McInturf also has published widely

on architectural and urban design work. His talk will focus on recent projects and the preparation and submission of work to design commissions.

Sponsored by the Department of Architecture, the Thursday Night Madness series is a weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews.

The lecture is free to the public.

Amnesty International leader to give human rights update

William Shulz, executive director of Amnesty International USA, will speak on human rights and religious freedom as part of University Park's Distinguished Speakers Series at Schwab Auditorium at 8 p.m. Tuesday, Oct. 14. The title of his presentation is "Human Rights: A Global Update."

Amnesty International USA is the 400,000-member U.S. branch of the Nobel prize winning international human rights organization. A committed social activist and



WILLIAM SHULZ

ordained Unitarian Universalist minister, Shulz led his organization's involvement in human rights activism in El Salvador, India, Romania and South Africa.

While at the helm of the Unitarian Universalist Association of Congregations, Shulz was a tireless campaigner against racism and for the rights of women, indigenous people, gays and lesbians, as well as for religious freedom and the abolition of the death penalty.

This event is free to the public. Tickets are not required.

Peale lecture to follow health ministries conference

Physician and author Dr. Larry Dossey will present the 1997 Norman Vincent Peale Lecture at 1 p.m. Friday, Oct. 31, in the hospital auditorium of The Hershey Medical Center. A reception will be held following the lecture.

Dossey's address, "Spirituality, Health and the Future of Medicine," is part of a daylong conference sponsored by the Center for Religion and Health. His lecture is open to the public, although conference attendees will be guaranteed a seat. The conference, "Congregational Health Ministries," will be held from 9 a.m. to 2 p.m. and will explore the healing roles of the religious community. Registration for the conference begins at 8:30 a.m.

The conference will focus on how changes in health care are forcing the religious community to rethink its role in responding to human needs. The cost of the conference, designed for both clergy and laity, is \$50, which

includes lunch. For conference reservations, call (717) 531-8177.

Dossey is best known as an author of best-selling books on prayer and healing. He has been a spokesman for the dialogue between the religious and scientific perspectives on life. In *Healing Word, The Power of Prayer and the Practice of Medicine*, Dossey explores more than 130 scientific studies of prayer. Among his best sellers have been *Space, Time and Medicine* (1982), *Beyond Illness* (1984), *Recovering the Soul* (1989), *Meaning and Medicine* (1991) and *Prayer is Good Medicine* (1996).

Dossey is co-chair of the Panel of Mind/Body Interventions for the Office of Alternative Medicine of the National Institutes of Health in Washington, D.C. He is on the boards of directors for both the Foundation for Research on the Nature of Man and the Society for Scientific Exploration.

Oct. 15 lecture at Behrend explores creative nonfiction

Lee Gutkind, author, professor and editor of the journal *Creative Nonfiction*, will present "An Evening of Creative Nonfiction" at 7 p.m. Wednesday, Oct. 15, in the Reed Union Building Lecture Hall at Penn State Erie, Behrend College. Gutkind's appearance continues the Creative Writers Speaker Series at the college.

Gutkind has performed as a clown for Ringling Brothers, scrubbed with heart and liver surgery, traveled with a crew of National League baseball umpires and experienced psychotherapy with a distressed family, all as research for eight books and numerous profiles and essays. His award-winning book, *Many Sleepless Nights*, chronicled the inside world of organ trans-

plantation. His most recent book, *An Unspoken Art*, explores the lives of those who practice veterinary medicine.

Former director of the writing program at the University of Pittsburgh and currently professor of English, Gutkind has pioneered the teaching of creative nonfiction, conducting workshops and presenting readings throughout the United States. Also a novelist and filmmaker, Gutkind is editor of *The Creative Nonfiction Reader* (a series of anthologies) and the *Emerging Writers in Creative Nonfiction* book series, and is director of the Mid-Atlantic Creative Nonfiction Writers' Conference.

For more information about the series, call (814) 898-6108.

More Lectures

Role of United Nations first topic for Penn State Forum

Justice Richard Goldstone, former chief prosecutor of the United Nations Tribunal on Crimes Against Humanity in Bosnia/Croatia and Rwanda, will present "International Justice and Democracy: The Role of the United Nations" at the Penn State Forum from 11:30 a.m. to 1 p.m. on Oct. 24 at The Nittany Lion Inn on the University Park campus.



RICHARD GOLDSTONE

Goldstone, justice of the South African Constitutional Court and chancellor of the University of Witwatersrand in South Africa, served as chief prosecutor for the U.N. Tribunal on Crimes Against Humanity in Bosnia/Croatia and Rwanda from 1993 to 1996. In that role, he investigated and issued indictments to be pursued by trial judges under the terms of the Dayton Agreement.



The Penn State Forum is a lunchtime speaker series sponsored by the Penn State Faculty Staff Club and the Penn State Bookstore. Tickets

are \$10 and include lunch. Reservations can be made by contacting the Faculty Staff Club office in 110 HUB. Departments may reserve 10-person tables; tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech at noon. For more information call (814) 865-7590.

Collaboration produces lecture series

The Department of Germanic and Slavic Languages and Literatures and the Center for Russian and East European Studies are holding a Brown Bag Luncheon Lecture Series for Fall 1997. All lectures will be from noon to 1 p.m. Wednesdays in 316 Burrows Building on the University Park campus.

Remaining talks in the series are:

■ Oct. 22: Ivane Nasidze, researcher in biological anthropology at the University of Illinois and visiting research associate in the Department of Anthropology, will speak on "Georgians in the Post-Soviet Period."

■ Nov. 5: Nicole Svobodny, doctoral candidate in Russian literature at Columbia University and visiting lecturer of Russian at Penn State, will speak on "Pushkin's 'Mozart and Salieri' and the Creation of a National Literary Family."

■ Nov. 19: Aminadav Dykman, assistant professor of comparative literature, will speak on "Ossip Mandelstam and Intertextuality."

■ Dec. 3: Michael Naydan, professor of Russian and Ukrainian, will speak on "Ukrainian Perversions: The Novel."

Conference geared to teen pregnancy prevention advocates

Every 26 seconds an adolescent girl becomes pregnant in the United States and every 56 seconds another adolescent girl gives birth, according to figures released by the U.S. Department of Health.

A two-day conference on Nov. 11-12 titled "Teen Pregnancy: An Issue for Everyone" will be offered at The Penn State Conference Center Hotel for educators, counselors, legislators, school administrators, researchers, health care professionals, social services providers, clergy and other individuals committed to reducing the number of teen pregnancies and to helping young women and men build successful lives.

Participants will discover how to become advocates for teen pregnancy prevention in their communities and with elected representatives. They also will learn about the success of a model

adolescent pregnancy prevention program that has been implemented throughout the United States.

Michael Carrera, director of the National Sexuality Training Center for the Children's Aid Society, will deliver the featured address. Carrera is widely recognized and honored for his work with young people and families. He designed and helped implement long-term, holistic, pregnancy prevention initiatives in New York City and 22 other cities throughout the United States. Carrera will describe his comprehensive program, which focuses on educating young people about their life options and includes physical and mental care, academic assessment, family life and sex education and individual counseling components.

Keynote presentations will be given by Sen. Allyson Y. Schwartz, Democratic chair, Pennsyl-

Symposium tackles transition to adulthood

A national symposium designed to examine the transition to adulthood in a changing economy will be held Oct. 30-31 at The Nittany Lion Inn on the University Park campus. The symposium, which focuses on the transition to work and family roles, is organized primarily for those who teach and do research on the passage to adulthood, graduate students with a major interest in that area, and policy and program specialists.

The sessions will focus on four key issues: How have changes in the structure of opportunity affected transitions to adulthood? How do prior experiences in the family affect transitions to adulthood? How do prior experiences in the work place set the stage for transitions to adulthood? and with the context of career development and marriage now one of ris-

ing inequality, who is at risk and what are their prospects?

Addressing the four key issues will be Martha Hill, University of Michigan; Larry Bumpass and Kathy Musick, University of Wisconsin; Jeylan Mortimer, University of Minnesota; and Valerie K. Oppenheimer, University of California-Los Angeles. An interdisciplinary team of people from the fields of human development, psychology, sociology, history, demography and criminology will discuss issues.

The symposium coincides with the 25th anniversary of the University's Population Research Institute (PRI). To obtain a brochure and registration materials, call or write Chuck Herd, 213 Penn State Conference Center Hotel, University Park, Pa. 16802-7002. Phone: (814) 863-5100 or fax: (814) 863-5190.

Harvard statistics professor to give Clogg lecture Oct. 13

Donald B. Rubin, professor of statistics at Harvard University, will give the 1997 Clifford C. Clogg Memorial Lecture in Sociology and Statistics at 7:30 p.m. Monday, Oct. 13. The title of the lecture is "A Template for the Analysis of Social Science 'Encouragement' Experiments with Application to the Milwaukee School Choice Study." The lecture, which is free to the public, will be held in 101 Thomas Building on the University Park campus.

Rubin, who earned his Ph.D. at Harvard, has published several books and more than 200 articles and chapters on a variety of topics. His areas of expertise include computational methods, causal inference, sampling, survey methods, multiple imputation,

techniques for handling missing data and Bayesian methods. He is a Fellow of the American Statistical Association, the Woodrow Wilson Society, the American Association for the Advancement of Science, the American Academy of Arts and Sciences and several other learned societies. He has received the Samuel S. Wilkes Medal of the American Statistical Association and the Parzen Prize for Statistical Innovation.

Rubin's lecture honors the late Clifford Clogg, who was a distinguished professor of sociology and professor of statistics at Penn State until 1995. The lectureship is supported by an endowed fund to which many of Clogg's colleagues and friends have contributed.

varia Schate Education Committee; Sarah Brown, director, National Campaign to Prevent Teen Pregnancy; and Carol Flaherty-Zonis, president, Carol Flaherty-Zonis Associates.

The \$149 fee (\$95 student fee) covers all instruction, course notes, program materials, refreshment breaks and lunches for two full days. For information on other topics to be addressed or for a brochure, call (800) PSU-TODAY; e-mail ConferenceInfo@cds.psu.edu; or visit the Web at <http://www.cds.psu.edu/cf/teenpregnancy/>

The conference is a continuing and distance education service of the College of Health and Human Development. It is co-sponsored by the Pennsylvania Coalition to Prevent Teen Pregnancy and funded in part by the Pennsylvania Department of Health and the Partnership of Packer, Oesterling & Smith.

ARTS & ENTERTAINMENT

AT PENN STATE



In concert

The Pennsylvania Quintet — Smith Toulson on clarinet; Daryl Durran on bassoon; Tim Hurtz on oboe; Lisa O. Bontrager on horn; and Eleanor Duncan Armstrong on flute — will give a free concert at 8 p.m. Wednesday, Oct. 15, off campus.

"Illegitimate theatre"

Performer Robert Post will bring his charismatic, provocative and ultimately indescribable "illegitimate theatre" to Penn State Abington on Oct. 10.

Post combines elements of physical comedy, theatre, dialects, mime and a spontaneous dialogue with the audience. The program, which will begin at noon in Room 112 Lares Building, is free to the public as part of Penn State Abington's cultural events series.

Guest recital

Wendy Miller, soprano, with Ervane Gulley, piano, will present a free guest artist recital at 2 p.m. Sunday, Oct. 12, in the School of Music Recital Hall on the University Park campus.

Both artists are faculty at Bloomsburg University.

Violin recital

Dawn Kobay, a student of James Lyon, associate professor of music, will present a free violin recital at 8 p.m. Tuesday, Oct. 14, in the School of

Music Recital Hall on the University Park campus. Kobay expects to graduate in May 1998 with a bachelor's degree in music education.

Pennsylvania Quintet

The Pennsylvania Quintet, Penn State's wind faculty chamber ensemble, will present a free concert at 8 p.m. Wednesday, Oct. 15, at Faith United Church of Christ, 300 E. College Ave. in State College. Performing with the quintet will be soprano Susan Boardman, associate professor of music.

Founded in 1984, The Pennsylvania Quintet has performed throughout the Northeast; at music festivals in Arizona and Germany; at Carnegie Hall; and in the National Gallery of Art in Washington, D.C.

The members of The Pennsylvania Quintet are: Eleanor Duncan Armstrong, associate professor of music, on flute; Tim Hurtz, associate professor of music, on oboe; Smith Toulson, professor of music, on clarinet; Lisa O. Bontrager, associate professor of music, on horn; and Daryl Durran,

associate professor of music, on bassoon.
For more information call Durran at (814) 865-3220.

Logan series continues

The Eaken Piano Trio will appear at noon Thursday, Oct. 16, at Penn State Erie, Behrend College. The ensemble's performance, which is free to the public, takes place in the Wintergarden of the Reed Union Building. Guests may bring a brown bag lunch.

Now in its 11th season, the Eaken Piano Trio has been in residence at Dickinson College since 1989. The trio, which includes John Eaken on violin, Nancy Baun on cello and Gloria Whitney at the piano, maintains a rigorous touring schedule, with concert appearances across the United States, Europe and Canada.

The Eaken Piano Trio's performance continues the Music at Noon: The Logan Wintergarden Series. For more information, call (814) 898-6159.

Bach's Lunch

The Penn State Double Reed Ensemble and Bassoon Band, directed by Timothy Hertz and Daryl Durran, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 16, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The performers are Molly Brennan, Sara Doyle, David Moore, Melis Kaker, Wendy Richardson, Aaron Datsko, Stacey Poorman and Matthew Schell, assisted by Hertz and Durran. After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Horn recital

Members of the French horn studio in the School of Music will present a free recital at 8 p.m. Thursday, Oct. 16, in the School of Music Recital Hall on the University Park campus.

Horn students of Lisa O. Bontrager, associate professor of music, will perform works for solo horn and piano accompaniment. The performers all are undergraduate music majors: Kathryn Lehr, Daniel Dinsmore, Katye Clogg, Carla McDonald, Jaime Thorne, Christine Brophy and Lara Buchko.

Stuttgart Philharmonic

The Stuttgart Philharmonic Orchestra, featuring pianist Mischa Dichter, will perform at 8 p.m. Thursday, Oct. 16, in Eisenhower Auditorium on the University Park campus. This event is presented by the College of Arts and Architecture's Center for the Performing Arts.

Dichter has performed with numerous orchestras worldwide. Musical director and principal conductor of the Stuttgart Philharmonic since 1995, Jorg-peter Weigle has earned international recognition



BRYCE JORDAN CENTER

Live to perform

The rock band Live will appear at The Bryce Jordan Center at 8 p.m. Thursday, Nov. 6, with special guest Reef. Tickets are \$19.25 for reserved seating and can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 locally or toll-free at (800) 863-3336. There are 1,000 tickets available at \$15 for student purchases only.

Hailing from York, Pa., Live first achieved success in 1991 on its debut album, "Mental Jewelry." The first single from that album, "Operation Spirit," hit No. 1. The quartet's forceful, savvy musicianship and a genuine conviction for straightforward social commentary helped propel the band to Billboard's 1995 Artist of the Year.

For more information, call (814) 865-7672.

For more information on Bryce Jordan Center events, visit the Web at <http://www.bjc.psu.edu/>.

through his leadership of several prominent German orchestras and choirs.

Prices are \$32.50, \$27.50 and \$23.50 for general admission; \$27.50, \$23.50 and \$20.50 for students; and \$16.75, \$14.25 and \$12.25 for children 12 and younger.

For tickets or more information, call the Arts Ticket Center at (814) 863-0255. Outside the local calling area, phone (800) 278-7849.

Art auction

An art auction will be held at 6:30 p.m. Saturday, Oct. 25, at Penn State Lehigh Valley.

The auction will begin at 7:30 p.m., following an art preview, silent auction and social hour. Proceeds from the auction will fund Lehigh Valley campus student scholarships.

Refreshments will be served as part of the per person ticket price of \$7.

Anyone interested may support the event by donating silent auction items, purchasing art from the Heisman Fine Arts Gallery Inc. in King of Prussia before the event or at the art auction, making direct donations to the Lehigh Valley campus scholarship fund or selling or buying tickets to the event.

Seating is limited, call for reservations. For more information or to purchase tickets, call (610) 285-5000.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, October 10
"Dixie Lion Five," concert, noon, Kern Graduate Commons.

Robin Seymour on "Marsden Hartley's Modernism," gallery talk, 2 p.m., Christoffers Lobby, Palmer Museum.

NBA Basketball, 7:30 p.m., The Bryce Jordan Center.

■ "Picasso at the Lapin Agile," 8 p.m., The Playhouse, through Oct. 11. For tickets phone, (814) 863-0255.

Saturday, October 11

"Tall Great," noon, The Bryce Jordan Center.

Sunday, October 12

Wendy Miller, voice, guest recital, 2 p.m., Recital Hall.

Percussion studio recital, 8 p.m., Recital Hall.

Monday, October 13

Dan Armstrong, percussion, faculty recital, 8 p.m., Recital Hall.

Tuesday, October 14

Dawn Kobayashi, violin, student recital, 8 p.m., Recital Hall.

Thursday, October 16

Bach's Lunch, The Penn State Double Reed Ensemble and Bassoon Band, 12:10 p.m., Eisenhower Chapel.

■ "Fires in the Mirror," short play, 5 p.m., 6 Theatre Arts Building.

Mark McInturf, architecture lecture, 8 p.m., 112 Walker.

Horn and piano recital, 8 p.m., Recital Hall.

■ The Stuttgart Philharmonic Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Friday, October 17

"Tim & Elise," concert, noon, Kern Graduate Commons.

Scott Schweigert, gallery talk on "Four Centuries of Portraits at the Palmer Museum," 2 p.m., Christoffers Lobby.

Horn studio recital, 8 p.m., Recital Hall.

Saturday, October 18

Jan Kinney, storytime, 11 a.m., Christoffers Lobby, Palmer Museum.

"Tall Great," The Bryce Jordan Center.

Glee Club Concert, 7:30 p.m., Schwab Auditorium. For tickets, phone (814) 863-0255.

Sara Renzi, student recital, 8 p.m., Recital Hall.

Sunday, October 19

Paul Kerlin, trombone, student recital, noon, Recital Hall.

Evelyn Ellis, clarinet, faculty recital, 3 p.m., Recital Hall.

Monday, October 20

Marlyne Dosses, piano, faculty recital, 8 p.m., Recital Hall.

Seminars

Sue Friedman on "Marc Bloch and the Challenges of Sociology and Geography," 4 p.m., 206 Walker.

Saturday, October 11

Dr. Jerry Glenn on "The Virtual Hospital," 9 a.m., The Nittany Lion Inn.

Monday, October 13

■ M. Gruber on "Wisdom from the Desert: Spiritual Guidance from the Fathers and Mothers of the Egyptian Desert," noon to 1 p.m., 212 Eisenhower Chapel.

Christof Woell on a subject to be announced, 1 p.m., 339 Davey Laboratory.

Anthony Rizzo on "The First Satisfactory Definition of Angular Momentum in General Relativity," 2 p.m., 339 Davey Laboratory.



On stage

Carousel will be performed at 8 tonight and again Friday night, Oct. 10, in Eisenhower Auditorium on the University Park campus. For information, call (814) 863-0255.

Allen Kleinsorner on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.

Donald B. Rubin on "A Template for the Analysis of Social Science 'Encouragement' Experiments with Application to the Milwaukee School Choice Study," 7:30 p.m., 101 Thomas.

Ira Harkavy on "Values in the Community," 7:30 p.m., HUB Fishbowl.

Tuesday, October 14

Dionysus Vlachos on "A Multiscale Approach to Homogeneous-Heterogeneous Oxidation Reactors: Reactor Safety, Chemical Synthesis and Pollution Abatement," 2:30 p.m., Paul Robeson Cultural Center.

M. Paterno on "Searches for Physics Beyond Standard Model at Tevatron," 3:30 p.m., 339 Davey Laboratory.

Danielle Greenberg on "The Physiological Controls of Fat Intake," 4 p.m., 110 Wartik Laboratory.

Richard W. Padgett on "Smaad and TGF-beta Signaling," 4 p.m., 8 Mueller Laboratory.

William Shultz on "Human Rights: A Global Update," 8 p.m., Schwab Auditorium.

Wednesday, October 15

Leslie Carlini on "Molecular Analysis of Maize EmbP-1 Protein: A 'Reverse Genetics' Approach," 12:20 to 1:10 p.m., 112 Buckhout Laboratory.

Chandra Kandola on "Investment and Disclosure: The Role of Periodic Performance Reports," 3:30 to 5 p.m., 333 Beam Business Administration.

R. Judson Beltz on "Tool Steel Grinding Swarf: The Problem and the Strategies for Reclamation," 3:35 to 4:25 p.m., 108 Sackett.

Thursday, October 16

Peter Gammel on "Morphological Studies of Static and Flowing Vortex Lattices in Type-II Superconductors: Basic Research and Technological Impact," 3:30 p.m., 101 Osmond Laboratory.

Harriet Malinowitz on "Disrupting Reality as We Know It: Liberal Rights' Discourse and Queer Pedagogy," 5 p.m., Cultural Lounge, Waring Commons.

Friday, October 17

Sybil Francis on a subject to be announced, 4 p.m., 206 Walker.

Conferences

Sunday, October 12

"Advances in Oak Genetics," The Penn Stater, through Oct. 17.

Monday, October 13

Sanitation Short Course, The Nittany Lion Inn, through Oct. 15.

"Social Structures and Mobility in the Elderly," The Penn Stater, through Oct. 14.

"Leveraging Partnerships for Supply Chain Excellence," The Penn Stater, through Oct. 15.

"Short Course on Vibration Control," The Penn Stater, through Oct. 17.

Sunday, October 14

"Offset Paperback Manufacturers Inc.," The Penn Stater, through Oct. 15.

Annual Pennsylvania School Psychologists Conference, The Penn Stater, through Oct. 16.

Tuesday, October 16

PASBO Transportation Conference, The Penn Stater, through Oct. 17.

Pennsylvania Association of Senior Centers, The Nittany Lion Inn, through Oct. 17.

EXHIBITS

HUB Art Alley Cases
HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Art Alley Panels
Kyle Eaddy on "Ninja Warriors," through Nov. 2.

HUB Browsing Gallery
Sculptures by Marilyn Collins, through Oct. 31.

HUB Formal Gallery
■ "Beijing and Beyond: Women Artists Respond to the World Conference on Women," through Oct. 25.

Kern Panels
■ Photos by Candace Leonard, "Focusing: Twentieth-Century Spanish Playwrights," through Oct. 20.

Kern Tall and Flat Cases
Wood sculpture by Mike George, through Oct. 19.

Palmer Museum of Art
"Photographs by the Sieglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the 16th through Early 20th Centuries," Special Exhibition Gallery I, through Dec. 21.

Pattee Library
"The Nittany Lion: An Illustrated Tale — The Exhibit," University Archives/Penn State Room, through Oct. 19.

Zoller Gallery
B.F.A. Student Exhibition, through Oct. 28.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>



National Quality Month

One of Penn State's key goals is the perseverance of fairness, equity, pluralism and compassion in our University. A panel discussion, "Implementing the Vision of Civility: Perspectives from the Field," will look at what several quality improvement teams have done to make Penn State a better community in which to learn and work, from 8:30 to 10 a.m., on Oct. 23 in The Nittany Lion Inn, Boardroom 1. To register for this panel, please call (814) 865-8216.

Upcoming workshops

The workshop, "First Steps: Facilitating Quality, Planning and Assessment Initiatives in Your Department or Unit," will be offered in three sessions: Oct. 28, from 8:30-11:30 a.m., in The Nittany Lion Inn, Mt. Nittany Room; Oct. 31, from 8:30 a.m.-4:30 p.m., at The Penn Stater Conference Center Hotel; and Nov. 5, from 8:30-11:30 a.m., in The Nittany Lion Inn, Mt. Nittany Room.

Participants will learn strategies for setting goals, managing meetings, resolving conflicts, building consensus-based agreements and giving constructive feedback. Information about conducting focus groups and developing customer surveys also will be offered. Presenters are Louise Sandmeyer, Mary Ellen Litzinger, Michael Doors and Barbara Sherlock. To confirm your space in this program, call (814) 865-8216 and register for "CQI 059."

New CQI Teams

A new CQI team to review credit grade processing and reporting has been formed in the University Registrar's Office. The team will consider new processes for reporting grades, in light of the plan for the new campus colleges, the addition of The Dickinson School of Law and future plans for credit course offerings, such as the World Campus. The team sponsor is James Wager, the leader is Gary Hile, and the facilitator is Mary Ellen Litzinger.

For information about Continuous Quality Improvement, contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LES1@psu.edu or see the center's Web site at <http://www.psu.edu/president/cqi>.

Faculty/Staff Alerts

Talk to the president

Learning that takes place outside the classroom is the subject of the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly call-in program on public radio station WTSU-FM (90.1, 91.5 & 106.7), airing on Wednesday, Oct. 15, at 7 p.m.

As much as 85 percent of a college student's waking hours is spent outside lecture halls and labs. Not surprisingly, a large part of the impact of college — as much as half, according to some — is determined by interactions in such diverse areas as social fraternities and sororities, professional student organizations, community service groups and "real world" internships.

Joining President Spanier for a discussion of the importance of non-academic college experiences will be William Asbury, vice president for student affairs at Penn State. Listeners with questions or comments are invited to call (800) 543-8242 during the one-hour program. Internet users worldwide will be able to link to sound and pictures from the program at www.psu.edu/ur/tech/tech.html, and they will be able to contact Spanier and Asbury via e-mail sent to response@psu.edu.

Homecoming

The annual Homecoming parade at University Park will take place Friday, Oct. 17, on College Avenue at 5:30 p.m. At 9 p.m., a candlelight vigil will be held on the steps of Old Main. On Saturday, Oct. 18, the Nittany Lions square off against Minnesota.

Don't miss the first Alumni Walk this year from 10 a.m. to 4 p.m., Sunday, Oct. 19, beginning at Old Main and ending at the Student Book Store. This is a new event that will consist of five kiosks full of fun facts and photos on Penn State history.

Along with this new event, Jackie Esposito and Steven Herb, authors of *The Nittany Lion: An Illustrated Tale* will hold a book signing at the Student Book Store from noon-2 p.m. Nittany Lion mascots from past years also will be at the book signing.

In addition, on Sunday, the Lion Ambassadors are sponsoring Old Main Bell Tower tours from 11 a.m. to 4 p.m.

Courses

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs, complete the registration form found in the back of the fall HRDC catalog, and fax to (814) 865-3522.

- **Productivity Skills for Success in the Work Place of the Future**, PRO 094: Develop skills that will help you achieve quality outcomes with maximum efficiency in spite of the potentially disruptive effects of organizational change; Oct. 27, 319 Rider Building, 1:30-4:30 p.m. Cost: \$44.

- **Successful Cross-Cultural Communication I**, COM 024: Oct. 28, 319 Rider Building, 8:30-11:30 a.m. Cost: \$44.

- **Designing Visuals for Your Presentation**, COM 016: Oct. 29, 319 Rider Building, 8:30-11:30 a.m. Cost: \$44.

- **Time Management: Regaining Control**, PER 024: Apply a goal-setting process based on what's important in your professional and personal life; Oct. 29, Paul Robeson Cultural Center Conference Room, 11 a.m. to 1 p.m. Cost: \$29.

- **Developing Winning Research Proposals I**, PRO 014: Oct. 31, 319 Rider Building, 9 a.m. to 4 p.m. Cost: \$104.

Health Matters program

- **HIV/AIDS Network Update**: Designed for members of Penn State's "You Can Ask Me About AIDS" Network, this session will discuss new information and issues related to HIV/AIDS, as well as explore ways to improve the effectiveness of the network. Meets Monday, Oct. 20, from 12:30-2 p.m. in 16 Ritenerout Building on the University Park campus. Cost: None. To register, contact Jan Hawbaker at (814) 865-3085 or JQH3@PSU.EDU.

United Way events

Student involvement in the United Way Campaign at University Park continues to grow. A record number of University students took part in the fourth annual United Way day of Caring on Sept. 25.

In their continuing support of the United Way, student coordinators are planning a football tournament from 9 a.m. to 6 p.m. Saturday, Oct. 25, and 9 a.m. to 2 p.m. Sunday, Oct. 26, at the University Park intramural fields. Team entry fees will benefit the United Way.

Students also will lend their support during the Blue and White basketball game, a pre-season scrimmage for the Nittany Lions, at 7:30 p.m., Oct. 30 at The Bryce Jordan Center. Student volunteers will take tickets and assist with the organization of the event.

The evening will include a raffle and half-time contests, with prizes donated by area merchants. Again, proceeds will benefit the United Way.

Reminder

The closing date for receipt of Evan Pugh Professorship nominating materials is Friday, Oct. 31. All nominations must be submitted in accordance with established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. For current nomination guidelines, call (814) 865-9580, e-mail vx2@psu.edu or visit 304 Old Main, University Park.

Turning up the heat

Fall weather is here and the Office of Physical Plant will be turning on the heat early this month on the University Park campus. OPP maintenance crews are already preparing to fire up the heating systems. The transition to the heating season will take one week to two weeks to complete and all University Park buildings should be fully heated by mid-October. Please keep in mind that some buildings will take a few days to reach their normal comfort levels as system startup problems are corrected. Any special requests regarding building heat scheduling should be made to Phillip Melnick at (814) 865-7027 or by e-mail to PRM1@PSU.EDU.

Diabetes classes in Hershey

People with diabetes may participate in a diabetes self-management course, "Meeting the Challenge," at The Hershey Medical Center.

The 10-hour course, sponsored by the departments of nursing and medicine, will be conducted from 8:30 a.m. to 3 p.m. on two Saturdays, Nov. 1 and 8. Meals are not included.

The program is designed to provide day-to-day management tools to those with diabetes. The course includes an individual appointment with instructors and all materials. The program is recognized by the Pennsylvania Department of Health and American Diabetes Association as meeting the national standards for diabetes education. Course instructors are a dietitian and registered nurse, both certified diabetes educators.

The registration deadline is Wednesday, Oct. 29. To register and for information on cost, content and exact location, call Glenda Hunter at (717) 531-6892. Family members may attend at no extra cost. Some health insurance companies reimburse for the cost of the course.

Free CPR training

The Penn State Geisinger Cardiovascular Center at The Hershey Medical Center will hold two CPR classes in October. The classes are free and the community may participate.

Pediatric CPR will be taught from 6:30 to 9:30 p.m. Monday, Oct. 13, in the multipurpose room of the University Fitness Center. Adult CPR will be taught from 6:30 to 9:30 p.m. on Wednesday, Oct. 15, at the same location.

Advance registration is required. Registration will be limited to the first 50 participants. Please call (717) 531-7575 to register.

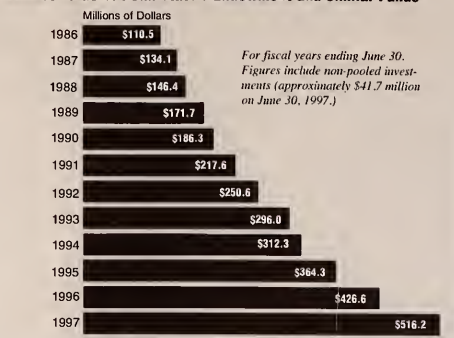
Endowment surpasses \$500 million

The market value of Penn State's endowment and similar funds reached \$516 million as of June 30, according to a recent report by the University treasurer's office.

The new all-time high total includes \$474.5 million in the University's pooled endowment fund, which has more than doubled in the past five years, and non-pooled endowment and other funds totaling about \$42 million. The increase in the pooled endowment reflects \$24 million in new gifts and \$86 million in investment returns in 1996-97. The total return rate was 21.4 percent — the best result in 11 years.

"Surpassing the \$500 million mark is a significant milestone in the history of our endowment and similar funds," said David E. Branigan, associate treasurer. "We have done so well in recent years because of sound investment strategies and the generosity of our alumni and friends. Positive trends in both of these areas allowed expenditures of \$17 million for academic program

Market Value of Penn State's Endowment and Similar Funds



support from the pooled endowment in 1996-97."

Endowments provide a source of income that Penn State can depend on to meet some of its most critical academic needs. The University

holds endowed gifts in perpetuity, investing them and spending only a portion of the total return for each endowment's designated purpose. The remaining return is added to the principal to protect it from inflation.

Behrend gets first Sea Grant program in Pennsylvania

Penn State Erie, Behrend College, has been selected as the first Sea Grant site in Pennsylvania. Funded through the Department of Commerce, the Sea Grant program has operated for 32 years as part of the National Oceanic and Atmospheric Administration.

A \$480,000 grant, awarded over the next three years, will allow the college to develop the Pennsylvania Sea Grant Coherent Area Plan. Robert Light, associate dean and associate provost, will direct the program for its first two years. He plans to have the effort under way by Feb. 1, 1998.

Light anticipates hiring three staff members for the Sea Grant office, including: a specialist in coastal environments; a specialist in coastal economic development; and a part-time staff assistant. The staff will address issues related to coastal environment quality, coastal tourism, economic development and education regarding the major issues facing the Lake Erie coastline, Presque Isle Bay and Erie's peninsula. The program will be highly focused on the Lake Erie watershed and on activities

related to extension services, communications and teacher education.

According to Light, the program's initial projects will include:

- Addressing problems associated with pollution in Presque Isle Bay and the greater Lake Erie watershed.
- Addressing problems associated with non-native invasive plant species in and around Presque Isle State Park.
- Promoting environmentally friendly manufacturing within the watershed.
- Updating the study of sociodemographic patterns of Presque Isle State Park users and how those users spend their money in and around the park.
- Addressing issues relating to the increased bay and lake water clarity and its impact on ecology and economics.

Support network needs assistance

The Lesbian, Gay, Bisexual Support Network is seeking more people willing to make a commitment of support to lesbian, gay and bisexual individuals at all Penn State locations. The network, which consists of faculty, staff and students, is designed to respond to the challenges — such as harassment, fear and isolation — faced by lesbian, gay and bisexual individuals at the University, by providing them with someone to talk to who can give accurate information about University and community resources.

Members of the network, who display a symbol of their participation such as a sign or sticker, are not counselors, nor are they expected to answer every question. Rather, they are listeners and people who can provide support

and information. There are currently more than 300 members of the network across the University system.

Anyone interested in becoming a network member at any campus must complete a one-page application, which can be obtained from the Office of the Vice Provost for Educational Equity, 311 Grange Building, University Park, Pa. 16802. The Commission on Lesbian, Gay and Bisexual Equity will review the application and notify each person about their membership.

For more information about the network, please contact Tracy Leitzel in 311 Grange Building on the University Park campus at (814) 863-7696.

■ Alumni Fellow Tulane president emeritus earns lifelong honor

Herbert E. Longenecker, president emeritus of Tulane University, has been named an Alumni Fellow by the Penn State Alumni Association.

Longenecker earned his bachelor's, master's and doctoral degrees in agricultural biochemistry from Penn State's College of Agricultural Sciences between 1929 and 1936. In 1936, he won a national competition for the National Research Council postdoctoral fellowship for research in England, Germany and Canada.

Before serving as president of Tulane from 1960 to 1975, Longenecker was vice president in charge of the University of Illinois medical center in Chicago and taught at the University of Pittsburgh from 1938 to 1955.

Active in military, business and civic pursuits, Longenecker was a member of the Food and Nutrition Board, an adviser to the Army Chemical Corps on defense against biological and chemical warfare, chair of the Department of Defense advisory committee on ROTC and a director of the Institute for Defense Analyses.

A Birmingham, Ala., resident, Longenecker also served as chair of the Nutrition Foundation, as a trustee of both the Bush Foundation and the Alfred P. Sloan Foundation, and as a director of CPC International and of the Equitable Life Assurance Society.

Penn State named him a Distinguished Alumnus in 1960, an award given by the University's Board of Trustees. The Alumni Fellow Award, presented by the Penn State Alumni Association, is administered in cooperation with the colleges of the University. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

York dedicates tennis courts

Penn State York dedicated six new tennis courts to the community and campus in a ceremony on Friday, Oct. 3. The event marked the successful completion of a project where partnership was the key to success.

The new courts are available to both campus and community. With the completion of these courts, Penn State York continues to develop the 33-acre tract of land donated to the campus by the City of York in 1990 for recreational and leisure use. The courts are adjacent to the Bob Hoffman Memorial Complex and were made possible through a series of partnerships beginning with the donation of the land. In addition, Bentzel Construction Inc., a local contracting firm, donated time and services during construction. The Hoffman Foundation gave \$90,000 toward the project and Penn State gave about \$50,000 to complete these facilities.

Appointments

Penn College appoints interim CEO

Davie Jane Gilmour has been named interim chief operating officer of the Pennsylvania College of Technology in Williamsport, replacing John Breuder, who announced his retirement in September. His retirement is effective Dec. 31 and beginning Jan. 1, Gilmour will serve as interim president while a search to fill the vacancy is conducted.

Gilmour, who began her career 20 years ago at Penn College's predecessor the Williamsport Area Community College, has moved through the ranks of faculty and administration and has served as vice president for academic affairs and provost of the college since January 1996. As chief academic officer of Penn College and a member of President's Council, she has provided leadership and direction for credit and noncredit programming; supervised curriculum development, revision and evaluation; and authored and administered academic policies and procedures. She has fiscal responsibility for more than \$21 million—52 percent of the college's total operating budget—and for more than \$1.5 million of auxiliary funds.

During her tenure, Gilmour has been responsible for facilitating the development of the college's first bachelor degrees—which number 22 to date. In addition, a several building construction and renovation projects have been overseen by her, including the construction of the health sciences wing of the Robert L. Breuder Advanced Technology and Health Sciences Center; expansion of the library; and expansion and renovation of Le Jeune Chef Restaurant, which serves as a working laboratory for students in the School of Hospitality.

In the past, she has served as an external reviewer for the Commission on Higher Education, Middle States Association of Colleges and Schools, Periodic Review Reports and as an evaluator for the Pennsylvania Department of Education, Dental Hygiene Programs.

She earned her A.S. and B.S. degrees in dental hygiene from West Liberty State College, and M.S. and Ph.D. degrees in health education from Penn State. Before beginning her career in education, she was a dental hygienist for a number of Harrisburg area dentists. She also is a past president of the Pennsylvania Dental Hygienists Association.

Gilmour was named interim chief by Penn College's Board of Directors. In related action, Robert E. Dunham, the University's senior vice president and dean of the Commonwealth College who will retire in December, was elected president of the Board of Directors, replacing Alvin C. Bush, who resigned.

McKeesport welcomes coordinators

Several coordinators have been added to the staff at Penn State McKeesport. They include:

Annita Scotland was appointed as Learning Center coordinator where she will oversee tutoring services and study resources. Since 1994, she has served as academic and cultural enrichment coordinator/counselor for the student support services program at the campus. She has a B.S. in mass com-

munications from Bradley University, Peoria, Ill.; and an M.S. in elementary education from Long Island University, N.Y.

C. Amesha Brown is the residence life coordinator in charge of on-campus housing. She graduated from Rutgers University with a B.A. in psychology and has an M.S. in higher education administration from the University of Pennsylvania. Before joining Penn State McKeesport, she coordinated the residence life internship program at the Washington Center for Internships and Academic Seminars in Washington, D.C.

OPP appoints deputy manager

Ford Stryker was named deputy manager in the Office of Physical Plant on Aug. 1. In this position, he has overall responsibility for the day-to-day functions of physical plant at the University Park campus and will work closely with facility coordinators to ensure delivery of OPP products and services to customers. His primary focus will be on University Park issues and the internal operations of the Office of Physical Plant.

Stryker has more than 21 years of experience in the Navy Civil Engineer Corps. The areas he managed include: facilities maintenance, utility operations, transportation, environmental programs and construction contract administration. He also has significant experience in strategic planning, total quality management, budgeting, customer service, human resources management and labor relations.

He is a registered professional engineer and received his bachelor's degree in civil engineering from Union College in Schenectady, N.Y., and his M.S. in civil engineering from the University of California at Berkeley. Before assuming this position, Stryker had attained the rank of captain in the U.S. Navy. He served as commanding officer, Navy Public Works Center, Norfolk, Va., and prior to that was the public works officer at the Naval Air Station in Sicily, Italy. Other assignments included public works area manager and deputy resident officer-in-charge of construction at Norfolk. Earlier in his career, Ford was commanding officer of a 1,100-person amphibious construction battalion operating in Europe, the Atlantic, West Africa, Central America and the Persian Gulf. He also was stationed in Keflavik, Iceland, where he was public works officer for that overseas naval air station.

During his numerous years of active service to his country, Ford has participated in many major initiatives including Operation Desert Shield and Desert Storm.

McGirr Kelly Annual Award for Excellence. The award was presented by the National Association of Water Companies, Pennsylvania Chapter.

The award is presented each year to a resident of Pennsylvania who is committed to promoting the availability of safe drinking water at affordable prices in the Commonwealth. Previous recipients include Gov. Tom Ridge, former governors Bob Casey and Dick Thornburgh, and Maurice Goddard.

Spanier named trustee of new Internet2 board

Construction of the new information superhighway is moving along, with the formation of the University Corporation for Advanced Internet Development (UCAID). This latest development of the Internet2 project will provide a formal organization to support Internet2 members as they develop the broadband applications, engineering and network management tools for next generation Internet use in research and education.

President **Graham B. Spanier** will join chief executives from other major research universities to form the initial Board of Trustees of UCAID. **David Ward**, chancellor of the University of Wisconsin-Madison, will chair the group, which also includes **Molly Corbett Broad**, president of the University of North Carolina. **Gregory A. Jackson**, associate provost for information technology at the University of Chicago, and **M. Stuart Lynn**, associate vice president for information resources and communications at the University of California Office of the President, previously members of the Internet2 steering committee, also have joined the board.

"Formation of the University Corporation for Advanced Internet Development represents the beginning of a new chapter in the use of computing and networking technology in our research universities," said Ward. "The work of Internet2 will lay a foundation for improvements in our research capabilities, in distance education and in everyday teaching and learning activities."

The partnership formed among member universities, industry and government agencies during the first year of Internet2 will continue under UCAID direction. Representatives of both groups expressed strong support for the founding of UCAID.

Response from the White House also is enthusiastic.

"I am delighted that America's research universities and high-tech companies are working together to develop the next generation of Internet technologies and applications," said Vice President Al Gore. "This will lead to new capabilities in research, distance learning and telemedicine that we can only dream of today. The administration will work closely with Internet2 to meet the goals of President Clinton's Next Generation Internet initiative."

Neal Lane, director of the National Science Foundation, also expressed support.

"We are very pleased to see this major step forward in support for advanced research and education infrastructure. This kind of consortium builds on a long-standing partnership in networking between the National Science Foundation and the university community," he said.

Activities for UCAID will include the Internet2 project, as well as other programs devoted to network research, technology transfer and collaborative activities in related fields such as distance learning and educational technology.

Begun by 34 universities in October 1996, Internet2 now has more than 110 research universities in the United States involved.

For more information on UCAID, check the Web at <http://www.internet2.edu/ucaid/>. For more information about Internet2, see <http://www.internet2.edu/>.



FORD STRYKER

Penn Staters

Iam-Choon Khoo, professor of electrical engineering, presented an invited paper at the VII International Topical Meeting on Optics of Liquid Crystals, Heppenheim, Germany. The title of his talk was "Photo-Induced Space Charge Fields, Photo-Voltaic, Photorefractivity and Optical Wave Mixing in Nematic Liquid Crystals."

David A. Long, professor emeritus of civil and environmental engineering, received the 1997 James

Research

 Intercom
October 9, 1997 **11**

Pianist's research highlights classical music

 By GABRIEL J. WELSCH
College of Arts and Architecture

It's a wide open scene right now," said piano Professor Steven Herbert Smith.

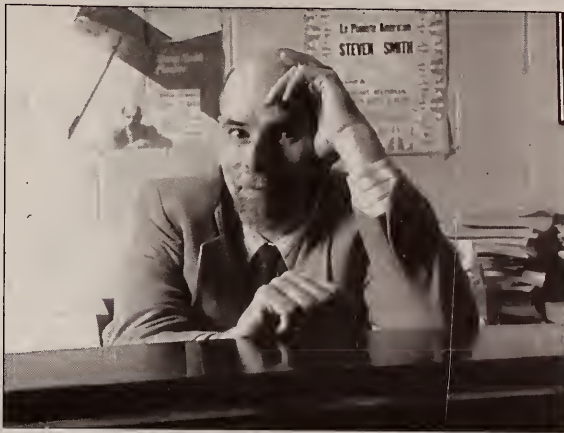
"There's been an interesting development in music in the last 15 years, new sounds mixing with old sounds, techniques changing, and that makes music quite exciting."

He's not talking about new wavers, rap, grunge or even the blend of all of them in the contemporary pop music scene, though it surely could apply.

Smith is a pianist, and he is speaking about classical piano music, the music he is passionate about, the music to which he has devoted 25 years of research, interpretation and performance in cities around the world. Last fall, Smith performed a festival of three concerts on the University Park campus, showcasing works by several contemporary composers from the United States, Britain and France, and in the first of the three programs, the premiere of a work by David Fetherolf.

Smith's mixed programs of music from various places are determined by many factors, their only common point being that all the music is contemporary. Smith has always included new music in programs along with classical pieces.

"I felt that (that treat-



Steven Herbert Smith, professor of music, has spent 25 years researching, interpreting and performing classical piano music.

Photos: Greg Grieco

ment) gave audiences a broader appreciation and gave the new works a well-deserved footing with the classics," Smith said. "I wanted to avoid consigning them to a 'new music ghetto,' yet now here is Piano Entente, concentrating almost exclusively on recent music by contemporary composers."

Piano Entente is the name Smith came up with for his concert. "Entente" is a term Smith borrowed from diplomacy, where it implies a "working relationship" or an "understanding." "In this case," Smith said, "the understanding is among the interpreter, the composers and the music itself, which through performance acquires a life of

its own."

When asked about the layered, whimsical elements in the pieces, Smith said, "Many of these composers came of age in the '50s, one of the most formal and conservative periods in music," he said. "Now, there is a new freedom of creativity in the air; composers have shaken off the doldrums of either

conservative or avant garde orthodoxy and there is an interesting variety at hand.

"For a long time, composers felt they had to be avant garde in a very conforming way. There were pressures to be fiercely dissonant, to be rigid in applying serial techniques, things like that," he said. "Now, you will hear blues, quotes from opera, lyricism, all sorts of things."

Smith has made a career of taking that variety and creative spirit to various countries, playing American music for the English, French music for American audiences and so on.

Piano Entente has evolved out of his lifetime of research, and continues to evolve as Smith discovers new pieces and adds to a repertoire he hopes to bring to other cities and universities.

Smith's zeal at the piano is ultimately an important force for him. In the program notes for Piano Entente, he discusses reasons for his program, the works included, but also reveals his motivations.

"The explanation is quite simple that I have discovered a great deal of attractive music, and I want to play it," he said. "I do not mean here to present a historical survey; this is simply a repertoire of music that appeals to me. I find that I have grown to love much of it."

Mentoring employees can help reduce change-related stress

 By NANCY CRABB
Penn State Great Valley

Though it may be tempting to ax "incidentals" such as employee mentoring programs, companies going through turbulent times should rethink such strategies — or suffer productivity declines as a result, two professors warn.

In today's era of "lean" management and "doing more with less," certain management styles — particularly those that incorporate mentoring — can make a significant difference in employees' ability to adapt, be resilient and productive in the face of turmoil, write Veronica M. Godshalk, instructor in the Department of Management and Organization, and John J. Sosik, assistant professor of management and organization, both at Penn State Great Valley.

Though few would argue that the record numbers of mergers, downsizings, layoffs and restructurings in recent years have not brought with them heightened job-related stress, corporations are often quick to dismantle perceived "fluff" programs just when they are needed most, Sosik and Godshalk said. Such decisions may save money in



VERONICA M. GODSHALK

therefore may allow them to function normally."

They said that mentoring enhances self-image, security and visibility within the organization and provides fulfillment of desires for information and fate control.

Job-related stress is often a function of an employee's perception. If an organization's leadership is perceived as aloof, secretive, uncaring and

the short run, but aren't without consequences.

"Mentoring can be an important form of coping with the stressful conditions that characterize turbulent environments," they said. "It appears to help employees cope with job-related stress by providing both career development and psychosocial assistance, and



JOHN J. SOSIK

Godshalk stress the importance of one particular leadership style, called transformational leadership, as key to both successful mentoring and high-performing employees in general. Transformational leadership and mentoring foster one-on-one contact and two-way communication, thereby reducing ambiguity and minimizing job-related stress.

scheming, employees will concurrently feel insecure and out-of-control, and their on-the-job performance cannot help but suffer, Godshalk and Sosik said. The very nature of mentoring — defined as the deliberate pairing of a more experienced employee with a lesser — helps to diffuse such problems. Sosik and

ATHLETICS

A regular column provided by Intercollegiate Athletics

Nittany Lions on TV

For the fifth consecutive season, the gridiron clash between Penn State-Ohio State will be televised by ABC Sports. The network will regionally televise the Big Ten contest on Saturday, Oct. 11. Kickoff is at 3:30 p.m. EDT from Beaver Stadium.

The telecast is the fifth announced TV appearance of the season for the Nittany Lions, who have appeared on television for 34 of their last 35 games.

Homecoming

To avoid a conflict with Homecoming Parade activities on Friday, Oct. 17, the Penn State-Cleveland State men's soccer start has been moved from 7 to 7:30 p.m.

Volleyball at the Jordan Center

The top-ranked Penn State women's volleyball team will play its first-ever match in The Bryce Jordan Center at 7:30 p.m. Saturday, Oct. 11, following the Ohio State football game across the street at Beaver Stadium. Adults with a ticket for the football game will be admitted for a special reduced price of \$1.

Hall of Famer

Popular broadcaster Fran Fisher was inducted into the Pennsylvania Association of Broadcasters Hall of Fame on Oct. 5 in Pittsburgh. The longtime football play-by-play voice of the Nittany Lions, Fisher is in his second term of service as Penn State's "voice."

He returned to the radio booth in 1994 after retiring in 1982 following a 13-year on-air stint as the lead announcer on football coverage. Fisher was a member of the athletic department staff from 1976-88.

For the latest information on Penn State Sports, visit the official Intercollegiate Athletics' site on the World Wide Web: <http://www.psu.edu> (Click on sports).



Human fly

Clinging by the magic of velcro, University President Graham B. Spanier shows his support of an active lifestyle by taking part in the 1997 Collegiate Health and Fitness Tour held Oct. 2 in the East Halls Quad on the University Park campus. The event was held to help educate students about habits, attitudes and awareness of drugs and alcohol, and other health issues.

Photo: Greg Grieco

Altoona College offers classes for night owls

It's midnight, you can't sleep and Jay Leno isn't your thing. What do you do?

At Penn State Altoona you go to class. As part of a pilot program, students preferring the late night scene can take a course designed to improve their studying skills.

"Effective Study Skills," is the college's first attempt to provide a late-night learning environment and, depending on student responses, could be a staple to late night activities.

"Those of us in higher education have known forever that many of our students are nocturnal by nature and learn better after 10 p.m.," said Allen C. Meadors, Penn State Altoona campus executive officer and dean, who proposed the idea. "With more than 2,000 students living on or near campus, it would seem logical that once the semester begins and students start to realize that they are not going to bed until after two or three in the morning, some would like to use that time productively."

The course, which began Sept. 23, is being taught over a six-week period. Students attend class from 11 p.m. to 1:05 a.m. and earn one credit while learning techniques to improve note taking, time management, goal setting and exam preparation.

"We offered the class later in the semester for students who find themselves in need of a study skills course or to enable them to pick up another credit," said Lori Bechtel, division head of education, human development and social sciences. "It can help students deal with problems they face in other classes."

"In the past we've offered classes on weekends, but we've never done anything this late in the evening. It's an innovative idea that can work because there are a number of students who learn better later in the day," she said.

Meadors believes students realize by the third or fourth week that their study skills are in need of improvement and he views the class as a way for students to get some help before mid-terms and finals. He added that students dropping courses may benefit from the credit the class offers.

"Some students drop courses during the first two to three weeks; this (class) is a credit they can get back," he said. "It might be critical for some students to maintain their financial aid or a specific scholarship."

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SYLVANIA STATE
UNIVERSITY

Capturing the light



Great expectations

University President Graham B. Spanier and Robin Clardullo, associate professor of astronomy and astrophysics, look over an instrument of the Hobby-Eberly Telescope in west Texas that was built by Penn State graduate students. The president, faculty members and donors all traveled to Texas Oct. 8 for a dedication ceremony of the \$13.5 million facility, which is expected to produce significant new information about the universe.

Photo: Vicki Fong

Hobby-Eberly Telescope dedicated; will help scientists study universe

By VICKI FONG
Public Information

MT. FOWLKES, Texas — Just before the open house for the Hobby-Eberly Telescope on Oct. 7, a thunderstorm briefly deluged the dome with rain, a frequent occurrence in the desert. Suddenly, the sun made a blazing appearance and painted a rainbow across the sky.

The rainbow was a fitting symbol for last week's dedication of the William P. Hobby-Robert E. Eberly Telescope at McDonald Observatory in the Davis Mountains

of far west Texas. Over the past 14 years, Penn State astronomers Larry Ramsey and Dan Weedman, along with a team of astronomers and engineers from other universities, have traveled some rugged paths to reach this moment of triumph.

The Hobby-Eberly Telescope is the world's first major telescope designed primarily for spectroscopy, which measures and analyzes individual wavelengths of light to reveal detailed information about stars, galaxies and other astronomical objects.

See "Telescope" on page 8

■ Upgrading education

Senate seeks changes in general ed requirements

By ALAN JANESCH
Public Information

If the University Faculty Senate's Special Committee on General Education has its way, future undergraduates at Penn State will take essentially the same number of credits in general education courses. But their general education experience will be upgraded and improved — not by shuffling the list of courses, but by focusing on active learning, new approaches to teaching, and the idea of continuously improving both.

They'll also:

- enjoy greater flexibility in choosing those courses and in testing out of courses if they already have the necessary skills and knowledge;

- experience a greater emphasis on writing, speaking, and the effective use of information technology and knowledge-seeking skills; and

- be enriched by the international and multicultural perspectives imbued in most if not all general education courses.

Also, undergraduates will probably notice greater efforts to use active and collaborative teaching and learning techniques. They'll take three credits in health sciences rather than four credits in health science and physical education. And first-year students will take a special first-year seminar that acquaints them with key concepts in their prospective majors, introduces them to regular faculty in their colleges, and helps them build the skills needed at a major research university.

See "General education" on page 2

Inside



Kudos

Across the University, faculty and staff are being honored for their contributions to education. For details on recent awards given, please see page 3.



We love a parade

This weekend is Homecoming on the University Park campus, as the Nittany Lions take on the Golden Gophers of Minnesota. As part of the festivities, the annual Homecoming parade will begin on College Avenue at 5:30 p.m. on Friday, Oct. 17.

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General education

continued from page 1

Since February 1996, the committee has been taking a hard look at undergraduate education at Penn State, seeking input from the University community, and thinking about ways to ensure that the general education program gives students both the skills they'll need and a broad understanding of scientific, cultural and artistic events and accomplishments that will help them make sense of the world and enrich their lives.

The committee's 10 recommendations for accomplishing those goals are included in a 32-page report drafted this summer. The report has circulated throughout the University community (via written copies and the Web, at http://www.psu.edu/president/cqil/gen_ed/cover.htm). The recommendations will be up for consideration at the Faculty Senate's Oct. 21 meeting.

"The recommendations are oriented mostly around the idea of increasing the expectations of learning," Robert N. Pangborn, chair of the committee and associate dean for undergraduate studies in the College of Engineering, said. "From the students' perspective, the report addresses what the students are supposed to achieve as part of their general education, in terms of the skills and the knowledge base they develop. From the teaching perspective, it addresses how Penn State can best deliver something that meets those needs."

Pangborn said the larger, post-graduation context of the recommendations is to make sure that general education at Penn State "contributes to enjoyment of life, to the level of intellectual stimulation throughout life, and to career success. I think the emphasis of virtually every one of the recommendations is to enhance learning, to create a learning environment where students are actively involved, and to continually assess and make adjustments in the curriculum where necessary to continue improving the quality of learning."

University President Graham B. Spanier, who attended the committee's first meeting in February 1996 and has stayed involved with its efforts ever since, says the recommendations are "workable, affordable and, most importantly, will enhance the quality of undergraduate education at Penn State."

"What is most exciting to me is that every course in the general education curriculum is proposed to include at least three cross-cutting areas of emphasis," Spanier said. "This will guarantee that all of our students will have considerable exposure to course work that more nearly reflects the multidisciplinary and complex reality of society and the workplace."

John Cahir, vice provost and dean for undergraduate education, praised the committee's emphasis on moving

Need more information?

The committee's 10 recommendations are included in a 32-page report available on the Web at:

http://www.psu.edu/president/cqil/gen_ed/cover.htm.

away from courses that have been seen by some as bureaucratic requirements "toward interesting, active learning experiences, assessed regularly and continuously improving."

Following the discussion and vote at the Senate's Oct. 21 meeting, Senate members will take the report to the wider University community for additional feedback and bring it back for a final vote on Dec. 2, when the Senate's University Planning Committee will present a costing report on the special committee's recommendations. Committee members describing the report focus on its internal coherence, its flexibility, and its recognition of best practices already being carried out across the University system.

Cheryl Achterberg, a committee member and the newly named acting dean of the Schreyer Honors College, said the report is a complete package, "a template to design a set of courses that will challenge students to grow in ways that they wouldn't have otherwise."

Tramble Turner, a committee member and associate professor of English at Penn State Abington, said the report reflects aspects of academic life at non-University Park locations, such as "a sense of community-building among first-year students."

Under provisions that would give all students greater flexibility to waive or substitute among general education courses, "there may be more than one way to meet a requirement," said Sue Bracken, a committee member, undergraduate adviser in the Women's Studies Program, and a graduate student in the counselor education program.

The report has received praise from many quarters, but its recommendation to drop the existing four-credit health science and physical education requirement and substitute a new three-credit health sciences requirement may generate some discussion among the faculty.

The committee's thinking on this issue is to downplay the pure physical activities required by the current program and emphasize an academic approach to health issues that allows but does not require physical activities. According to the committee's recommendation, the optional activities should focus on lifelong wellness and fitness. Courses currently bearing the



Education in action

Taking a break from the confines of the indoor classroom, instructor Beth Thompson takes her students outside for a change of scenery at University Park. The general education requirements of the University will also be changing in the near future.

Photo: Greg Grieco

Exercise and Sports Activities (ESACT) label would not satisfy the new requirement unless they are changed to meet the new criteria.

Scott Kreichmar, a former Faculty Senate chair and kinesiology professor, said the report is "dramatic and potentially very significant" and praises its emphasis on quality. But he questions the move to restructure the health sciences requirement.

"I am less concerned about the decrease from four to three credits than I am about the apparent narrowing and intellectualization of the requirement," he said. "I read the proposal as saying it's OK to think about health and movement but less acceptable to gain the attitudes and skills that are required for good health and skillful movement. I think this is a handicap for our field, as it would be for music, if students were allowed to only theorize about music but not also learn the skills to produce it."

But Pangborn counters that the flexible approach recommended by the committee echoes broad sentiment that this should be an academically rigor-

ous requirement, consistent with the rest of the general education curriculum.

"The committee has worked hard to restructure the requirement so that it meets this test, while at the same time reflecting the active learning theme of the whole concept," Pangborn said.

The committee's recommendation on first-year seminars says that such programs, in each college and at each campus, should be taken by all incoming first-year students and should count for one to three credits.

According to the committee report, the seminars would be academic in content (and among other things) give students a taste of the majors they'll likely choose, develop relationships with full-time faculty, and acquaint students with the learning tools and resources available at Penn State.

As the committee notes in its report, five Penn State academic colleges currently offer first-year seminars of different kinds: Agricultural Sciences, Earth and Mineral Sciences, Engineering, Health and Human Development and the Liberal Arts.

Awards

Dozens of faculty honored for outstanding service to students

Student affairs honored 44 members of the faculty with the first Faculty Associates Award, which recognizes faculty members for their outstanding involvement in programs and services for students.

Faculty members honored include Collins Airhienbuwa, associate professor of health education; Daniel Armstrong, professor of music; Deborah Atwater, head of African and African American studies and associate professor of speech communications; Kathleen Barry, professor of human development; Kathleen Bieschke, assistant professor/counselor of psychology; George Bugyi, executive secretary of the University Faculty Senate; Jane Charlton, assistant professor of astronomy and astrophysics; Jeremy Cohen, professor of communications; Sherry Corneal, assistant professor of human development and family studies; and Lourdes Diaz Soto, associate professor of education.

In addition, Roger Downs, professor of geography; Nancy Evans, associate professor of education; Charles Fisher, associate professor of biology; Gary Fosmire, associate professor of nutrition science; Marvin Goldberg, Irving and Irene Bard professor of business administration; Arthur Goldschmidt, professor of Middle East history; Lynne Goodstein, associate dean and professor of administrative justice and women's studies; Jeffrey Hayes, assistant professor of counseling psychology; S. Blair Hedges, associate

professor of biology; Shirley Hendrick, assistant professor of business administration; Michael Johnson, associate professor of sociology, women's studies and African and African American studies; William Kelly, associate professor of theatre and integrative arts; Patricia Koch, associate professor of biobehavioral/health education; Robert Koehler, associate professor of accounting; and Manfred Kroger, professor of food science.

Also, Barry Kur, associate professor of theatre; Tony Lentz, assistant professor of speech communications; Donald Leslie, associate dean of undergraduate studies; John Lowe, professor of chemistry; Felix Lukecz, professor of plant pathology; Stephen Mackwell, associate professor of geosciences; James Marden, assistant professor of biology; Ronald Maxwell, assistant professor of English; Robert Minard, senior lecturer in chemistry; Linda Morrow, instructor in nutrition; Samuel Richards, senior lecturer in sociology; Joseph Schall, senior lecturer in writing and faculty associate for Irvin Hall; Fred Schied, assistant professor of adult education; David Shapiro, associate professor of economics and women's studies; Andrew Stephenson, professor of biology; James Stewart, vice provost for educational equity; Christopher Uhl, professor of biology; Beverly Vandiver, assistant professor of counseling psychology; and E.W. Wickersham, associate professor of zoology.

ARL researcher tapped by Navy for fellowship



JOHN M. KENNEY

John M. Kenney, assistant research engineer with the Research Centers and Multidisciplinary Programs Division at the Applied Research Laboratory and a doctoral candidate in workforce education and development, was recently selected by the chief of Naval Research as the Secretary of the Navy Research Fellow for Naval Readiness. This fellowship is awarded competitively to social science doctoral candidates whose dissertations will contribute to the improved understanding of determinants of the readiness of U.S. naval forces.

A panel of experts determined that Kenney's "credentials and achievements to date, as well as the potential of his research to make important contributions to understanding the readiness of our naval forces, were recognized as outstanding."

The objective of Kenney's research will be to determine the relationship between a measure of readiness and specific enlisted personnel variables. In particular, he will examine the relationship between personnel variables (crew stability, gapped billets and completion of formal training) and a ship's readiness as measured by the results of the Operational Plant Propulsion Examination. Guided missile destroyers in the Pacific Fleet's Arleigh Burke class will be used in this study. The study will take place over a two-year period, which ends in September 1999.

PENNTAP lauds faculty and staff for their assistance to Pennsylvania businesses

The Pennsylvania Technical Assistance Program at Penn State recently recognized more than 300 faculty and staff members for helping to solve problems for PENNTAP clients. PENNTAP helps Pennsylvania small businesses improve their competitiveness by providing free scientific and technological assistance and information.

"Penn State faculty and staff help in a variety of ways; it can be a 20-minute phone consultation, spending a couple of hours meeting with a client, supervising a student project to address a client's technical problem, or conducting an applied research project for a client. Faculty often use these cases to enhance classroom discussions of applying theory to real world applications," said Jack Gido, PENNTAP director.

At a recent recognition reception, Gido indicated that more than 100 of the faculty and staff being recognized were from local

tions other than University Park.

Penn State leaders recognized PENNTAP as an effective technology transfer and outreach program that uses the resources of the University to support economic development.

PENNTAP is a partnership among Penn State and the Pennsylvania Department of Community and Economic Development and the U. S. Economic Development Administration. Established in 1965 by Penn State President Eric Walker and Pennsylvania Gov. Bill Scranton, PENNTAP provided in excess of 800 cases of assistance to clients in all 67 counties last year. Clients reported \$6.1 million in economic benefits as the result of PENNTAP assistance, and 97 percent satisfaction with the assistance provided. More than 80 percent of PENNTAP clients were from businesses with less than 100 employees.

25-year Awards



EDWIN W. BIEDERMAN JR.



JOAN COBLE



CHARLENE HARRISON



ROBERT F. NICELY JR.



HORST VON DORPOWSKI



JERRY F. ST. CLAIR

Observing 25 years of service at the University are, from left: Edwin W. Biederman Jr., senior technical specialist, Pennsylvania Technical Assistance Program (PENNTAP); Joan Coble, administrative assistant to the senior vice president for finance and business/treasurer; Charlene Harrison, director, Center for Adult Learner Services, Student Affairs; Robert F. Nicely Jr., associate dean, Outreach and Faculty Development; and Horst von Dorpowski, assistant dean, undergraduate and summer programs, both in the College of Education; and Jerry F. St. Clair, worker, Mechanical and Plumbing Unit, Office of Physical Plant.

LECTURES

Journalist to question the value of college

Veteran journalist Mel Elfin, former executive editor of *U.S. News and World Report's* "America's Best Colleges," will speak at Penn State Erie, Behrend College, at 7:30 p.m. Monday, Oct. 20. Elfin will address the question, "Does It Still Pay to Go to College?" His lecture, which is free to the public, will take place in the Reed Union Building Commons.



MEL ELFIN

Educated at Syracuse University and Harvard, Elfin worked as a reporter for the *Long Island Daily Press* after the Korean War. He became Washington bureau chief of *Newsweek* in 1965, and remained there for 20 years. He moved to *U.S. News and World Report* in 1985. His annual "America's Best Colleges" issue sells more than a million copies, outpacing sales of the magazine's ranking of

hospitals and mutual funds.

Elfin admits that the early years of the rankings were not objective. Initially the rankings were simply based on college presidents' opinions about other colleges. After 40 college presidents lambasted him in 1988, Elfin and the magazine revamped the survey, balancing popularity against hard data.

Elfin's brusque style and provocative views make him both fascinating and infuriating, especially to academics. Academics claim that the survey measures everything except the most important point: How much does a school teach, and how well?

Elfin's presentation continues the 1997-98 Penn State-Behrend Speaker Series. His lecture also will be broadcast live by the college's radio station, AM1450/WPSE. For more information, call (814) 898-6171.

Art History lecture series paints picture of knowledge

The 1997/1998 Department of Art History Lecture Series, "Picturing Knowledge: Art, Science, Cognition," begins Oct. 22. All lectures will be held in the Palmer Lipson Auditorium at the Palmer Museum of Art on the University Park campus. The following talks will all be followed by a reception for the speaker:

■ **Wednesday, Oct. 22, at 7:30 p.m.:** Peter Parshall, professor of art history and humanities at Reed College, Portland, Ore., and the author (with David Landau) of *The Renaissance Print 1470-1550* (Yale University Press, 1994), will present "The Art of Memory and the Passion."

■ **Tuesday, Nov. 4, at 7:30 p.m.:** Paolo Berdini, assistant professor of art history at Stanford University, will talk about "Women Under the Gaze: A Renaissance Reading of Genesis 3." Berdini writes on and teaches Renaissance, Baroque and modern art and architecture. His book, *The Religious Art of Jacopo Bassano: Painting as Visual Exegesis*, was pub-

lished this year by Cambridge University Press.

■ **Tuesday, March 3, 1998, at 7:30 p.m.:** Mimi Cazorl, curator of prints and drawings at the National Gallery of Canada in Ottawa, will discuss "The Anatomy of Eve." The respondent will be Londa Schiebinger, professor of history and women's studies at Penn State and the author of studies on Italian Renaissance drawings, and botanical and anatomical images.

Cazorl recently organized the exhibition "The Ingenious Machine of Nature: Four Centuries of Art and Anatomy," for which she wrote the catalog.

■ **Tuesday, March 31, 1998, at 7:30 p.m.:** Claire Farago will talk on a topic to be announced. Farago is an associate professor of art history at the University of Colorado, Boulder, and has published widely on Leonardo da Vinci. Recently she edited the widely acclaimed *Reframing the Renaissance: Visual Culture in Latin America and Europe 1450-1650*.

Gallery talk to focus on portraits at the Palmer

Scott Schweigert, a graduate assistant in the Department of Art History, will give a gallery talk at 2 p.m. Friday, Oct. 17, in the Christoffers Lobby of the Palmer Museum of Art on the University Park campus.

The free lecture, "Four Centuries of Portraits at the Palmer Museum," will focus on works in the Palmer Museum's permanent collection.

"Huddle with the Faculty" on Oct. 18

Laurel S. Terry, professor of law at The Dickinson School of Law, will present "2 Yen, 4 Francs, 6 Pounds, a Dollar: Lawyers Abroad, Stand Up and Holler!" at 9 a.m. Saturday, Oct. 18, at The Nittany Lion Inn on the University Park campus.

Terry will explore how the General Agreement on Tariffs and Trade, the North American Free Trade Agreement and the European Union have affected the increasing number of U.S. lawyers who provide international services. She also will discuss her research on legal ethics provisions and regulations in the United States and abroad, as well as compare U.S. and international approaches to partnerships between lawyers and accountants.

Terry's free presentation is part of this fall's "Huddle with the Faculty," a Penn State Alumni Association continuing and distance education service featuring presentations by top Penn State faculty before every home football game.

For more information on upcoming speakers in this year's Huddle with the Faculty series, contact Mary Jane Slout, Alumni Continuing Education, at (814) 865-LION (5466).

Philosophy professor featured during "Meet the Editor"

Robert Ginsberg, professor of philosophy, will be the guest speaker of a "Meet the Editor" session on Thursday, Oct. 23, from 2:30-3:30 p.m., in the John D. Vairo Library at Penn State Delaware County. He will speak informally and answer questions about his career in the editing of philosophical books. An exhibit of his work as series editor, titled "The First Hundred Books," is on display in the Vairo Library during the fall semester. The exhibit and talk are free to the public.

Venture Investment Forum planned for Oct. 23

Penn State's Intellectual Property office will, for the first time, sponsor the Venture Investment Forum (VIF) of Central Pennsylvania on Oct. 23 at the Penn State Conference Center Hotel. The VIF provides an opportunity for inventor and investor to connect and interact.

Venture capitalists, bankers, attorneys and investors from Hershey and Harrisburg will converge at Penn State to meet with entrepreneurs, Penn State faculty members and local community investors. Between 30 and 50 people are expected to attend the forum. Welcoming addresses will be given by Michael Shoemaker, VIF president, and Rodney Erickson, vice president for research and dean of the Graduate School.

During the event, entrepreneurs will give presentations about their property. For more information on the VIF contact: Ronald Huss, The Intellectual Property Office, Penn State, 113 Technology Center Building, University Park, Pa. 16802; (814) 865-6277 or by e-mail at IPO@RTTO.psu.edu.

Envision transportation in the next century

Pravin Varaiya, the James Pife professor of engineering at the University of California, Berkeley, will talk about "The Automated Highway System: A Transportation Technology for the 21st Century" at 4 p.m. Thursday, Oct. 23, in 26 Hosler Building on the University Park campus.

As the current vehicle-highway system reaches a plateau in meeting the demand for moving goods and people, new transportation systems will have to be devised. Varaiya will discuss a design for an automated highway system that could triple capacity and reduce travel time, give rise to a new era of free operation in the absence of malfunctions, limit performance degradation in the case of faults, and reduce emissions by half. He also will talk about the design's feasibility and how the proposed automated highway system can be adapted to different urban and rural scenarios.

Varaiya, who is the distinguished lecturer for Penn State's Department of Mechanical Engineering, received his Ph.D. in electrical engineering from the University of California, Berkeley. His areas of research and teaching include stochastic systems, communication networks, power systems and urban economics.

Learn the art of investing at Oct. 28 teleconference

Choosing among an ever increasing and complex number of investments, whether for retirement planning or personal investing, can be frustrating and overwhelming. To help simplify today's complex financial world for individuals so that they can make sound investment decisions, Penn State will broadcast "The Art of Investing: Tips from America's Experts," a free live satellite teleconference on personal investing. The teleconference will be held from 3-4:30 p.m. Tuesday, Oct. 28, in Kern Auditorium on the University Park campus.

Asset allocation, investment risk and reward, mutual funds and retirement plans will be some of the subjects discussed. Panelists will include well-known financial planning experts and national syndicated personal finance columnist Jane Bryant Quinn. The program is sponsored by TIAA-CREF.

No advance registration is required; seating is available on a first-come, first-served basis. If you have any questions, please call Wanda Scafie at (814) 865-7922.

More Lectures

Landscape architecture is topic of Oct. 23 lecture

Ann Mullins, managing principal of Civitas Inc., a landscape architecture firm in Denver, will be the second speaker in this year's John R. Bracken Lecture Series.

The lecture, "Creating Connections: Landscape Architecture, Urban Planning and Design," is scheduled for 8 p.m. Thursday, Oct. 23, in 101 Joab Thomas Building on the University Park campus. The lecture is sponsored by the College of Arts and Architecture's Department of Landscape Architecture.

Through her knowledge of design and business aspects of the firm,



ANN MULLINS

Mullins has helped Civitas become a leading urban design and landscape architecture firm.

A registered architect in Massachusetts, Mullins received her master's in landscape architecture from Utah State University.

Before joining Civitas, Mullins performed several environmental studies in Washington and Utah and designed corporate headquarters, streetscapes and residential projects throughout the country. Her past accomplishments include the detailing of the award-winning urban plaza for the First National Bank Plaza in Chicago.

The lecture is free to the public.

Pros and cons of governmental impact explored by panel of experts Oct. 23

Is governmental impact on business and the economy a blessing or a curse?

A panel of three experts from the education, public and private sectors will address this question and others during a public roundtable discussion in Penn State Harrisburg's Olmsted Auditorium at 6 p.m. Thursday, Oct. 23.

The roundtable will feature N. Northrup Buechner, associate professor of economics at St. John's University, Clifford I. Jones, former Pennsylvania secretary of Commerce, Labor and Industry, and Environmental Resources, and W. Kirk Liddell, president and CEO of Irex Inc., in Lancaster.

The format for the roundtable will include informal discussion from 6-

6:30 p.m., and a panel discussion from 7-8:15 p.m. The evening will rely heavily upon audience participation.

Buechner holds a Ph.D. in economics from the University of Virginia and specializes in microeconomics and methodology. Jones has had a long career of public service in Pennsylvania, serving four governors in cabinet positions, as chairman of the Public Utilities Commission and chair of the Republican Party, while Liddell heads a construction and supply organization with 80 offices and 2,000 employees nationwide. He is a graduate of Princeton University with a degree in economics.

For registration, contact the Penn State Harrisburg School of Business Administration at (717) 948-6140.

Feminist Scholar Speaker Series to feature social worker/film director

A presentation by social worker and film director Margaret Gilpin at 7:30 p.m. Wednesday, Oct. 22, continues the Feminist Scholar Speaker Series at Penn State Erie, Behrend College. Gilpin will present a screening and discussion of her documentary film, "Mariposas En El Andamio" ("Butterflies on the Scaffold"). The screening, which takes place in the Reed Union Building Lecture Hall, is free to the public.

The film portrays a marginal community in Havana, La Guinera, and the transvestite movement which grew up there and has expanded all over Cuba. The docu-

mentary deals with the social, human and cultural transformations in this small town, and details the transvestites' efforts to create a space for themselves and gain their neighbors' respect through their creative work as entertainers in local cafés.

"Mariposas En El Andamio" has won numerous awards. Gilpin, who also is one of the United States' leading experts on the Cuban health care system, will take questions on the making of the film following the screening.

For more information, call (814) 898-6108.

Hershey talk to be seen at several campuses

Cell biologist James E. Rothman will speak on "Intracellular Protein Transport and Synaptic Transmission" in the Life Sciences Consortium's Colloquium on Oct. 29. The colloquium will be videoconferenced from Lecture Room B, The Hershey Medical Center, to 104 Thomas Building on the University Park campus and to several other campuses at 4 p.m. that day.



JAMES E. ROTHMAN

Rothman is chairman of the cellular biochemistry and biophysics program at the Sloan-Kettering Institute of Memorial Sloan-Kettering Cancer Center. In 1994, he was appointed a vice chairman of the institute, and is responsible for fostering its relationship with the industrial sector. He also holds the Paul A. Marks Chair in cellular biochemistry and biophysics.

Rothman received his Ph.D. in biological chemistry from Harvard Medical School in 1976. Before coming to Memorial Sloan-Kettering in 1991,

Rothman was the E.R. Squibb professor of molecular biology at Princeton University.

He is renowned for his work in clearly explaining the biochemical basis of protein transport in cells. An experimental system developed by Rothman has made it possible to analyze in detail the way in which proteins move from the internal cell structures where they are synthesized to the surface for export out of the cell. These advances opened a new area of research.

Rothman is currently exploring how protein-carrying "vesicles" form and how they are directed toward specific parts of the cell.

Rothman has received numerous awards and honors. He was elected to the National Academy of Sciences in 1993, as a Fellow of the American Academy of Arts and Sciences in 1994 and to the Institute of Medicine in 1995.

Public journalism advocate to give lecture on Oct. 23

Jay Rosen, public journalism proponent and associate professor of journalism at New York University, will present the 1997 Robert M. Pockrass Memorial Lecture at 4:30 p.m. Thursday, Oct. 23, in Carnegie Cinema on the University Park campus. Rosen's lecture, "You Don't Know What Public Journalism Is, And Neither Do I," is sponsored by the College of Communications.

Since 1990, Rosen has been associated with the reform movement known as public journalism, which calls on the press to take an active role in strengthening citizenship, improving political debate and reviving public life. He is the immediate past director of the Project on Public Life and the Press, funded by the Knight Foundation.

In addition to his position with

NYU, Rosen is a member of the Penn National Commission of Society, Culture and Community. He also is an associate of the Kettering Foundation and a press critic and essayist, writing frequently for such publications as the *Columbia Journalism Review*, *Harpers*, *The Nation* and *The New York Times*. In 1994 Rosen was a Fellow of the Shorenstein Center on the Press, Politics and Public Policy at Harvard University, and from 1990-91 he held a fellowship at the Gannett Center for Media Studies at Columbia University, now the Freedom Forum Media Studies Center. He has a Ph.D. in communication studies from NYU.

The Pockrass lecture is free to the public. For more information, call Kristen Kaminski at (814) 865-8801 or visit the Web at <http://www.psu.edu/dcp/komm>.

Learning disability conference Oct. 29

The first Learning Disability Conference will be held at Penn State Beaver from 8 a.m. to 3 p.m. Wednesday, Oct. 29, in the Study Learning Center Auditorium.

The theme for the conference is "Learning Disabilities: Understanding the Total Student." Keynote speaker for the conference will be Larry B. Silver of the Georgetown University Medical School, a noted national authority and author of 130 publications on learning disabilities.

While the conference is geared

toward teachers and school health professionals, it is applicable to parents, psychologists, mental health professionals, speech and language pathologists, and anyone with an interest in learning disabilities.

Advanced registration is required by Monday, Oct. 20. The cost for the conference is \$45 per person. The fee includes morning refreshments and lunch. For more information or to register, call Carleen Dinello at (412) 773-3824 or Stacy Koutoulakis at (412) 773-3882.

ARTS & ENTERTAINMENT

AT PENN STATE



At the Jordan Center

The Counting Crows will play at The Bryce Jordan Center on Oct. 25. For information, call (814) 865-5555 or (800) 863-3336.

Homecoming concert

The Penn State Glee Club and the Women's Chorus will present the 28th Annual Homecoming Concert at 7:30 p.m. Saturday, Oct. 18, in Schwab Auditorium on the University Park campus.

The Glee Club will celebrate the 200th birthday of Franz Schubert by joining with guest tenor Richard Kennedy to perform several of Schubert's works for men's voices. The Glee Club also will premiere a new arrangement of "Hulla-BaloBala" by the director, Bruce Trinkle.

The Women's Chorus is directed by Robert Drafall. The concert also will include performances by the Hi-Lo's and the Varsity Barbershop.

Alumni may join in singing Penn State football songs at the conclusion of the program.

Tickets are \$7 for adults and \$3 for students and are available at the Eisenhower Chapel. Call (814) 863-0255 for information.

Student piano recital

Sarah Renzi, a piano performance major, will present her junior recital

at 8 p.m. Saturday, Oct. 18, in the School of Music Recital Hall on the University Park campus. The concert is free to the public.

Clarinet recital

Evelynn Ellis, coordinator of minority programs in the College of Arts and Architecture and affiliate assistant professor in the School of Music, will present a free clarinet recital at 3 p.m. Sunday, Oct. 19, in the School of Music Recital Hall on the University Park campus. Anthony Leach, assistant professor of music education, will accompany Ellis on piano.

The program consists of compositions written specifically for clarinet and piano, combined with several arrangements for the two instruments.

Faculty piano recital

Marylène Dosse, professor of music, will give a free piano recital at 8 p.m. Sunday, Oct. 19, in the School of Music Recital Hall on the University Park campus.

Dosse will perform an all-French music program. She will present the same program on tours of Japan and



EVELYNN ELLIS will give a free clarinet recital at 3 p.m. Sunday, Oct. 19, at the Recital Building at University Park.

Paris in November. A fellow of the Institute for the Arts and Humanistic Studies, Dosse has recorded more than 25 albums and performed extensively in Europe, Africa, North and South America.

Organ recital

Award-winning Canadian organist Jan Overduin will play a recital at 8 p.m. Monday, Oct. 20, and will conduct a workshop on improvisation on Tuesday, Oct. 21. Both events will occur in the School of Music Recital Hall on the University Park campus.

Overduin's recital will be preceded by an explanation of the work at 7:15 p.m. The Oct. 21 workshop will feature demonstrations of improvisation techniques. Both are free to the public.

Overduin is professor of organ and church music at Wilfrid Laurier University in Waterloo, Ontario, where he conducts the university choir. He is well-known as an improviser and has won prizes in internationally acclaimed competitions. He also is active as a community choral conductor and a church organist.

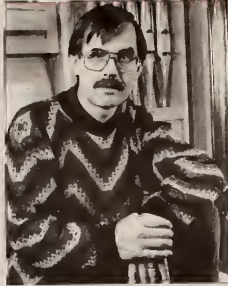
Bach's Lunch

The Penn State Mallet Ensemble, directed by Dan Armstrong, professor of music, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 23, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The concert will include a xylophone solo performance by Teri Stephens, a senior in the music education program.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in



JAN OVERDUIN will present an organ recital at 8 p.m. Oct. 20 and give a workshop on Oct. 21, both at University Park.

the Eisenhower Chapel. Coffee and tea will be provided.

Unique works on display

The Grout/Kauffman Award Exhibition is a presentation of unique works by five artists chosen by the jurors of the 1997 Nittany Lion Juried Exhibition. It will be held at Penn State Berks campus' Freyberger Gallery from Oct. 24-Dec. 5, with a free public reception from 5-7 p.m. Friday, Oct. 24.

The artists all are from southeast Pennsylvania, but their similarities end there. Richard Carlson from Whitehall uses a painting technique on board that results in intense colors in non-objective images. Leslie Eadeh from Wayne works in ceramics, creating unusual forms with a glaze technique. John Mathews from Bucks County is a sculptor who creates metal forms with an organic reference. David Nally of Reading, an award winner for the second time, creates work that is a discourse on today's society. Francine Strauss from Rydal creates mixed media works with a unique sense of composition and dynamics.

Admission is free to the public. For more information, call (610) 396-6099.

Exhibition continues

The exhibition "Photographs from the Stieglitz Circle, 1900-1930" will be on view through Sunday, Dec. 7, in the Palmer Museum of Art on the University Park campus.

Alfred Stieglitz is considered to be one of the most important figures in 20th century American art. His galleries supported American avant-garde painters from 1905 to the 1940s.

The exhibition presents 15 photographs by Stieglitz and photographers in his circle, as well as early portraits of the painters he championed.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, October 17

"Tim & Elise" concert, noon, Kern Graduate Commons.
■ Scott Schweigert, gallery talk on "Four Centuries of Portraits at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

Horn studio recital, 8 p.m., Recital Hall.
"Footprints" by Wayne Shorter, 8 p.m., Recital Hall.

Saturday, October 18

Jan Kinney, storyteller, 11 a.m., Christoffers Lobby.
"Tall Great," The Bryce Jordan Center.
Penn State Glee Club Concert, 7:30 p.m., Schwab Auditorium. For tickets, phone (814) 863-0255.

Sara Renzi, student recital, 8 p.m., Recital Hall.
Sunday, October 19

Paul Kerin, trombone, student recital, noon, Recital Hall.
Evelyn Ellis, clarinet, faculty recital, 3 p.m., Recital Hall.
Marylene Dosse, piano, faculty recital, 8 p.m., Recital Hall.

Monday, October 20

Jan Overduin, organ, guest recital, 8 p.m., Recital Hall.

Tuesday, October 21

Diverse Voices MFA Reading Series, Charlotte Holmes and Peter Schneeman, fiction, 7:30 p.m., Gallery Lounge, HUB.

Symphonic Wind Ensemble/Symphonic Band Concert, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Wednesday, October 22

Peter Parrash on "The Art of Memory and the Passion," 7:30 p.m., Upton Auditorium, Palmer Museum.

Thursday, October 23

Brewster Scholarship Competition, Recital Hall.

Thursday, October 23

St. State Mallet Ensemble, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Friday, October 24

"Bruce Young & Jesse," concert, noon, Kern Graduate Commons.

"Servant of Two Masters," by Carlo Goldoni, 8 p.m., Pavilion Theatre, through Nov. 1. For tickets, phone (814) 863-0255.

"Mad Hatter Tea Party" 8-10 p.m., HUB Browsing Gallery.

Saturday, October 25

Andrea L. Smith, flute, student recital, 4 p.m., Recital Hall.
■ Moscow Conservatory Ensemble, 8 p.m., Schwab Auditorium. For tickets, phone (814) 863-0255.

Cecilia Dunoyer, piano, faculty recital, 8 p.m., Recital Hall.

Dog's Eye View, 8 p.m., The Bryce Jordan Center.

Sunday, October 26

"Essence of Joy," 4 p.m., Recital Hall. For tickets, phone (814) 863-0255.

Saturday, Nov. 8, end 15

Printmaking Workshop, Palmer Museum of Art. For children age 6 and older and their parents. To register, phone (814) 865-7672 before Oct. 24.

SEMINARS

Friday, October 17

Sybil Francis on "A Tale of Two Laboratories: Nuclear Weapons on the Mesa and in the Valley," 4 p.m., 206 Walker.

Saturday, October 18

■ Laurel S. Terry on "2 Yen, 4 Francs, 6 Pounds, a Dollar: Lawyers Abroad, Stand Up and Holler!" 9 a.m., The Nittany Lion Inn.

Monday, October 20

Vonda Ehrhart on "Employment Opportunities for Agricultural and Biological Engineering Graduates in USDA-ARS," 12:20 p.m., 239 Agricultural Engineering.

Neil John Cornish on "Chaos in General Relativity," 2 p.m., 339 Davey Laboratory.

Chris Lobb on "Vortex Motion in Superconductors: Spinning, Sliding and Swimming Upstream," 3:30 p.m., 339 Davey Laboratory.

Tuesday, October 21

A. Hanany on "Supersymmetric Brane Dynamics," 3:30 p.m., 339 Davey Laboratory.

Thomas Sargent on "Distal-less-3 and the Control of Differentiation in Mouse Epidermis," 4 p.m., 8 Mueller Laboratory.

Richard Woods on "Role of HLA-H on Ion Transport," 4 p.m., 110 Warlick Laboratory.



Luncheon entertainment

The Dixie Lion 5 played to the lunch crowd in the Kern Graduate Commons on the University Park campus recently. Their performance was part of a weekly series that will bring Tim and Elise to Kern at noon Oct. 17. Bruce Young and Jesse will entertain there at noon Oct. 24.

Photo: Greg Grieco

Wednesday, October 22

■ Ivane Nasidze on "Georgia in the Post-Soviet Period," noon to 1 p.m., 316 Burrows.

Linda LaSalle on "Relationship Violence," noon to 1 p.m., CWS Resource Room, 120 Boucke.

Nancy E. Eckardt on "How Do Trees Make Wood? Factors Associated with Xylogenesis," 12:20-1:10 p.m., 112 Buckhout Laboratory.

B.R. Titmann on "PSU: Research in Nondestructive Evaluation," 3:35-4:25 p.m., 108 Sackett.

Leonard Pearlman on "Stressors in Late Life Conceptual Issues in the Study of the Stress Process," 4-5 p.m., Living Center, 110 Henderson.

■ Zarin Caldwell presents "A United Nations Day Celebration," 6:30 p.m., The Penn Stater. Reservations: (814) 238-6426.

Thursday, October 23

Paul Culler on "Electron Emission and Transport in Wide-Band Gaps Semiconductors," 3:30 p.m., 101 Osmond Laboratory.

Elan Shapiro, Liz Walker and Jay Jacobson on "Ecological Literacy and the Ecovillage at Ithaca: A Case Study in Sustainable Living," 3:30 p.m., 360 Willard.

Pravin Varaiya on "The Automated Highway System: A Transportation Technology for the 21st Century," 4 p.m., 26 Hosier.

Jay Rosen on "You Don't Know What Public Journalism Is: And Neither Do I," 4:30 p.m., Carnegie Cinema.

Ann Mullins on "Creating Connections: Landscape Architecture, Urban Planning and Design," 8 p.m., 101 Thomas.

Friday, October 24

■ Richard Goldstone on "International Justice and Democracy: The Role of the United Nations," 11:30 a.m. to 1 p.m., The Nittany Lion Inn.

Linda Pickle on "The New Atlas of U.S. Mortality," 4 p.m., 206 Walker.

■ Michael Naas on "Welcoming the Host: The French Reception of Plato," 4 p.m., 115 Keller.

CONFERENCES

Monday, October 20

Andrew Well presents "The Future of American Medicine — Changing Paradigms for Healing." The Penn Stater, through Oct. 21. For more information, call (814) 863-5140.

Tuesday, October 21

"Separation and Purification Strategies for Biotechnology Products," The Nittany Lion Inn, through Oct. 10.

Wednesday, October 22

"Advanced Practical Techniques of Gas Chromatography," The Penn Stater, through Oct. 24.

■ International Visual Literacy Association, The Penn Stater, through Oct. 26.

Thursday, October 23

Venture Investment Forum of Central Pennsylvania, The Penn Stater.

Friday, October 24

Penn State Thespian Alumni Reunion, The Nittany Lion Inn, through Oct. 26.

Saturday, October 25

"Expanding Your Horizons in Science, Mathematics and Engineering," 104 Thomas. To register, call (814) 865-3342.

Association for Continuing Higher Education Annual Meeting, The Penn Stater, through Oct. 26.

Tuesday, October 28

"The Art of Investing: Tips from America's Experts," satellite teleconference, 3-4:30 p.m., Kern Auditorium.

EXHIBITS

HUB Art Alley Ceece

HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Art Alley Penite

Kyle Eddy on "Ninja Warriors," through Nov. 2.

HUB Browsing Gallery

Sculptures by Marilyn Collins, through Oct. 31.

HUB Formal Gallery

■ "Beijing and Beyond: Women Artists Respond to the World Conference on Women," through Oct. 25.

HUB Research Area

"Lesbian and Gay Issues at Penn State, 1971-1996: 25 Years of Progress," through Oct. 21.

Kern Panels

■ Photos by Candace Leonard, "Focusing: Twentieth-Century Spanish Playwrights," through Oct. 20.

Kern Tell and Fiat Cases

Wood sculpture by Mike George, through Oct. 19.

Palmer Museum of Art

"Photographs by the Sileigitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the 16th through Early 20th Centuries," Special Exhibition Gallery I, through Dec. 21.

Pattex Library

"The Nittany Lion: An Illustrated Tale — The Exhibit," University Archives/Penn State Room, through Oct. 19.

Zoller Gallery

B.F.A. Student Exhibition, through Oct. 28.

■ Reflects an international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>



In the wilderness

There aren't too many signs of civilization in the area surrounding The Hobby-Eberly Telescope, which is in the Daws Mountains of far west Texas.

Photo: Vicki Fong

Telescope

continued from page 1

Another distinguishing factor is its innovative design using cost-effective technology, which made it possible to construct the HET for \$13.5 million—one-sixth of the \$100 million cost of each of the two Keck telescopes in Hawaii, the only comparable telescopes in the world. The HET is the third largest telescope in the world, after the Keck telescopes, and was built by a partnership of five universities: the University of

Texas at Austin; Penn State; Stanford University; and two German universities, Georg-August University in Göttingen and Ludwig-Maximilians University in Munich.

"We are feeling that a tremendous amount has been accomplished, but we know it's not finished yet," said Weedman, co-inventor and Penn State professor of astronomy and astrophysics. "Up until now, there had been a lot of uncertainty; we never knew when all the pieces would come together. Now all the pieces are coming together, the fun part is next, the gathering of the data."

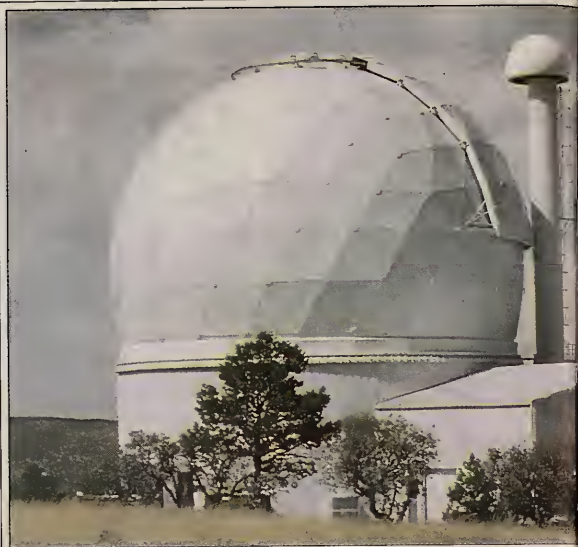
"When the first mirror was installed in 1996, I knew we were on the path to inevitable success. Seeing first light in December 1996 was another crucial success," said Ramsey, project scientist, co-inventor and Penn State professor of astronomy and astrophysics. "Now we are struggling with technical glitches that we have anticipated—it's like building a house, constantly fixing things and dealing with changes. But HET will be evolving and improving for the next 20 years."

Currently, the telescope is in a "commissioning" phase, in which its components are brought into optimal performance. The final instrumentation packages are being constructed elsewhere and are expected to be installed throughout 1998.

Magnificent structure

The recent ceremonies were an opportunity to show off the fruits of the team's hard work. More than 300 scientists, university administrators and supporters toured the telescope facility and attended the dedication activities.

The Hobby-Eberly Telescope is housed in an 86-foot diameter white dome, whose peak reaches 106 feet



THE HOBBY-EBERLY TELESCOPE

LOCATION: Atop Mount Fowlkes, at McDonald Observatory near Fort Davis, Texas

DEDICATION DATE: Oct. 8, 1997

FIRST LIGHT: December 1996

FULL OPERATION: Late 1998

COST: \$13.5 million (not including instruments)

PRIMARY MIRROR: 91 one-meter hexagonal segments; the largest in the world. However, no more than 9.2 meters (392 inches) of the reflecting surface will be used at any one time, making the

Hobby-Eberly Telescope the world after the two

TRACKING: The telescope McDonald Observatory

WHAT WILL IT DO? Search for dark matter, study star formation and star formation in optical wave ultraviolet surveys; active galactic nuclei

above the ground. In addition to its scientific attributes, the telescope itself inspires admiration for the beauty of its technical design. The 91 hexagonal one-meter mirrors form a gleaming honeycomb that reflects a seamless surface image of the steel trusses sustaining the dome. During demonstrations, the telescope rotated slowly and revealed a macramé of turquoise trusses in the back of the mirror bed. Four stories above the mirror bed stood the tracking system which holds the main camera, poised to capture light and images.

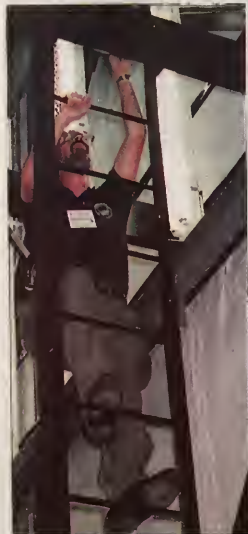
The facility stands on Mount Fowlkes, more than 6,000 feet above sea level, adjacent to Mount Locke, which houses the other two research telescopes of McDonald Observatory. Below stretches miles of pine scrub brush, mountain rock formation and desert range land, with the nearest town 16 miles away. Above this nearly barren earth is endless clear blue sky, which at night is one of the darkest skies in the United States and perfect for the kind of research that would be conducted by HET.

"The Hobby-Eberly Telescope has a kind of beauty, like a frigate, the fighting ships of an earlier century," said Steven Weinberg, Nobel Laureate, a theoretical physicist at University of Texas at Austin, and a dedication speaker. "It is an ingenious design. The telescope will be doing the best work in the world by taking light from the stars and spreading them into colors, lines and dark spots. From that, we can tell what stars are made of."

"But its main purpose is not just to learn about stars and galaxies, or even the whole universe," Weinberg said. "By studying the universe in the first moments of creation, we can learn the rules that govern everything on Earth, from the laws of nature ... to cells in our bodies."

The big picture

Robert Krishner, chairman of the astronomy department at Harvard University and another speaker, noted that the telescope will allow humans to overcome the limitations of their senses.



Checking it out

Robert Eberly Jr. climbed a ladder to the catwalk inside the dome. From there, he was able to look down on the telescope.

Photo: Vicki Fong



Photo: Dirk Grupe/McDonald Observatory

effectively the third-largest telescope in the world, behind the Keck I and Keck II telescopes in Hawaii. It will observe 70 percent of the sky available at any one time over the course of a year.

It will search for extra-solar planets; study stellar evolution; search for dark matter; identify and study objects first detected in X-ray and gamma-ray; study the intergalactic medium; monitor the universe; study galaxy dynamics

"It's a very big eye, collecting data from a million times the area of your eye," Spanier said. "And it will allow us to see things we couldn't see before. As people say, we are very small. Our lives are so small, yet we want to understand cosmic events that happened at the awakening of civilization. HET is a time machine, bringing light that was emitted billions of years away."

An exciting prospect will be the combination of knowledge resulting from scientific work not only by ground-based telescopes like HET, but also by space-based telescopes like the Hubble Space Telescope, Krishner said.

University President Graham B. Spanier, who was on hand for the dedication, noted that the day was about "teaching for the stars," but was also a reminder of how vital the work of university scientists is to society.

"The educational value of the Hobby-Eberly Telescope is very significant," he said. "It will be important in training scientific leaders of tomorrow, giving our students both a challenge



Photos: Vicki Fong

Scenes from the day

President Graham B. Spanier addresses those in attendance at the formal dedication of the Hobby-Eberly Telescope on behalf of Penn State, top. Behind him are flags from Texas, Pennsylvania, California, Bavaria and Lower Saxony.

Right, former President Joab Thomas chats with Larry Ramsey, co-inventor and project scientist of the Hobby-Eberly Telescope, at the dedication. Ramsey, professor of astronomy and astrophysics at Penn State, has been active in the telescope's construction and commissioning, and is designing and constructing the medium-resolution spectrograph that will be one of its three main instruments.



and an opportunity to aim high and stretch far in their learning endeavors."

Benefactors lauded

The audience at the dedication also warmly acknowledged the main benefactors: William Hobby, former lieutenant governor of Texas, and Robert E. Eberly, Penn State alumnus and chairman of Eberly & Meade Inc., an oil and natural gas production and exploration firm based in Uniontown, Pa., and Oklahoma City. He, his wife, Elouise, and other members of the Eberly family provided a \$1.5 million gift to support the University's commitment to the \$13.5 million telescope.

Through the Eberly Trust and Eberly Foundation, the Eberly family has been a major philanthropic contributor to Penn State and other higher education institutions in western Pennsylvania and West Virginia, as well as to economic, civic and cultural initiatives in Uniontown and Fayette County.

Robert and Elouise Eberly were not able to attend the dedication, but viewed it long-distance via satellite television. His sister, Carolyn Eberly Slaney, said at the dedication that her family is extremely proud of the HET project.

Bumpy road

The road to building HET was not without many bumps and twists over

the past 14 years, despite the initial enthusiasm.

"I remember when Dan and Larry came into my office and talked about building the world's largest telescope," said Thomas Wartik, dean emeritus of the Eberly College of Science. "I thought 'what a great idea' and took them over to see Bryce Jordan, who hadn't even unpacked all of his boxes yet in the president's office. He was very excited."

Bryce Jordan, Penn State's 14th president was just coming on board in 1983 when Ramsey and Weedman approached the administration with their idea. Jordan says he recalls talking with Eberly about supporting the project.

"My mind leaps back 10-some years ago when Bob Eberly and I came out to Mt. Locke (site of the other research telescopes at McDonald Observatory)," Jordan said during the celebration in Texas last week. "We sat on Mt. Locke and watched a huge lightning storm. It was just sensational, and we saw the possibilities."

Collaborating pioneers

The consortium of five universities was also highly praised for their collaborative teamwork, illustrated at the dedication by the display of the flags of Texas, Pennsylvania, California, Bavaria and Lower Saxony.

"Through this partnership, we have been able to reach farther and higher than any one institution could do alone," Spanier said.

The partners will be "pioneers in the search for new planets and worlds, expanding the knowledge of the universe," said Peter Flawn, president ad interim of the University of Texas at Austin.

While small glitches are being ironed out, the full-time gathering of scientific data remains many months away. But the HET project is already attracting worldwide attention, particularly from Australian and South African universities interested in building similar facilities in the Southern Hemisphere.

"Perseverance got us this far," Ramsey said. "And perseverance will see us through the rest of the way through."

Faculty/Staff Alerts

Penn State-Minnesota football game on TV

The Penn State-Minnesota football game on Saturday, Oct. 18, will be broadcast by ESPN Regional Television to a regional audience.

Kickoff is at 12:20 p.m. EDT from Beaver Stadium for Penn State's 78th Homecoming contest.

The game will be televised by a network of stations in Pennsylvania, the Midwest and parts of the Northeast. Five outlets in Pennsylvania will carry the contest: WTJA-TV in Altoona (TCI, Ch.10) in the Centre Region; WTXF-TV in Philadelphia; Fox Sports Pittsburgh; WLYH-TV in Harrisburg and WNEP-TV in Scranton/Wilkes-Barre.

Lesbian, gay and bisexual events celebrate progress

"Lesbian and Gay Issues at Penn State, 1971-1996: 25 Years of Progress" is an exhibit through Oct. 21 in the HUB Research Area on the University Park campus. The exhibit was created by the Commission on Lesbian, Gay and Bisexual Equity and University Archives.

Sponsored by the Office of the Vice Provost for Educational Equity, the exhibit tells the story of how events during the last 25 years influenced the University — changing it from a homophobic climate into one that today is supportive of its gay, lesbian and bisexual faculty, staff and students.

Other LBG events this month are:

■ Oct. 17: Harriet Malinowitz, associate professor of English and director of Women's Studies at Long Island University, Brooklyn, will speak on "Gay, Lesbian and Bisexual Issues in the Classroom," at 10 a.m. in 101 Kern on the University Park campus. She will discuss integrating material concerning gays and lesbians into courses.

■ Oct. 18: A semi-formal Homecoming Dance, sponsored by the Lesbian, Gay and Bisexual Student Alliance, begins at 10 p.m. in The Nittany Lion Inn, Colonial Room, University Park. Cost is \$10 per ticket before Oct. 18 and \$12 at the door. Tickets

may be purchased in advance at the LGBSA office in 310 HUB.

For more information about the Lesbian, gay and bisexual community at Penn State, go to the Commission on Lesbian, Gay and Bisexual Equity home page at <http://blue.ue.psu.edu/psue/lgbt/> and the Lesbian, Gay and Bisexual Student Alliance at <http://ltranter.cse.psu.edu/~mccann/lgbal/>.

Lantern tours

To promote the nostalgia and tradition of Penn State, the Lion Ambassadors are again offering guided lantern tours of the University Park campus from 7 to 9 p.m. Wednesday, Oct. 22.

Lantern tours provide students and community members with the opportunity to learn about Penn State's history and listen to anecdotes and discover traditions. The tours, which run continuously during the two-hour period, will depart from the steps of Old Main. The Bell Tower will be open for observation after the tour.

For more information, contact Valerie Lynne Black, coordinator, at (814) 863-3752.

Got a project?

The new \$6.5 million wireless technology project launched Sept. 30 on the University Park campus (see Oct. 2 *Intercom*) offers a unique opportunity for faculty members who could incorporate the use of such technology into proposed research projects.

Faculty who believe they may have a use for the new technology should check the Web at <http://www.ots.psu.edu/> to find out how they can become involved in the wireless technology trials.

Mentoring book available

The Commission for Women has once again compiled the *Directory of Mentoring Programs for Undergraduates at University Park*. The booklet, available in 311 Grange Building, was put together as a service to students and lists programs, a brief description and contact individuals. For a copy or to add programs or report changes, please contact the commission office at (814) 865-1683.



Ready for residents

Penn State Altoona has officially opened Cedar Hall, its new, 85,000-square-foot student residence hall. Cedar Hall, which will house 320 students, also includes apartments for guests and a live-in staff member. The building is fully wired for ethernet communications and includes a conference room, 12 lounge areas, air conditioning and other amenities. The building is equipped with a card-access security system.

Photo: Courtesy of Altoona College

United Way team leaders play big part

Team leaders are playing an integral role in the 1997 United Way Campaign currently under way on the University Park campus.

"The volunteer effort by our team leaders in support of the campaign chair and co-chair is the key to a successful campaign," said Karen Rugh, United Way manager.

The team leaders, appointed in the academic colleges and administrative units, coordinate campaign activities, including organizing meetings, determining campaign strategies, goals, educational programs and special events.

Named as United Way Team Leaders for 1997 are:

Drew Hyman, College of Agricultural Sciences; Frank O'Brien and Paul Olivetti, alumni and development; Wendy Gilpin, Applied Research Lab; Evelyn Ellis, College of Arts and Architecture; Tom Griffiths, Department of Athletics; Chris Fivek, The Smel College of Business Administration; Corinna Bressler and Beth Haupt, College of Communications; Shelly Miller, Commonwealth College; Paul Peworichik, Computer and Information Systems; Jean McGrath and Jim Campbell, Continuing and Distance Education; Joan Andrews, College of Earth and Miner-



al Sciences; Susan Osman, College of Education; George McMurtry, College of Engineering;

Carol Findley and Jane Kone, enrollment management; Phillip Melnick, finance and business; June Stine, College of Health and Human Development; Dick Leah, College of the Liberal Arts; Carol Herrmann and Sharon Becker, Office of the President; Ginny Imboden, Research and Graduate School; Don Genson, Eberly College of Science; Sara Alterio and Betty Moore, student affairs; Carol German, student programs; Donna Meyer and Sue Irwin, undergraduate education; Tina Aumiller, University Libraries; Barb Meeker, University Relations; Paul Rigby, retirees; and Alicia Ellis, students.

J.D. Hammond is chair of the campaign. William W. Asbury is vice chair. Deb Stauffer is serving as assistant to the chair.

Courses

Health Matters Programs

To register for the following program offerings on the University Park campus, please contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ Enlightening Lunch — Hunters ... Don't Leave Home Without Your Orange

Do you wonder if you could be doing more to incorporate safe practices into your hunting trips? Find out on Thursday, Oct. 23, from noon to 12:45 p.m. in 105 OPT Building. Cost: None.

■ Effectiveness of Positive Thinking

Become aware of negative thinking that you may not realize is encumbering you. Meets Friday, Oct. 24, from 1-2:30 p.m. in 301-A Agricultural Administration Building. Cost: \$5.

University searching for two campus leaders

The University is seeking candidates and nominations for two campus executive officer positions; one at Penn State Beaver and the other at Penn State Hazleton. The person named to fill the CEO spot at Beaver will replace Dennis Travis, who stepped down in July. At Hazleton, the CEO spot was left vacant after Karen Walton resigned.

The CEO is the chief administrative officer of the campus and is responsible for administering all of its programs. The CEO also is responsible for maintaining close relationships with the campus communities, including outreach programs.

On the 100-acre Beaver campus near Monaca, approximately 800 students are enrolled. The residential campus has housing for 300 students and offers the first two years of most of Penn State's 180 baccalaureate degrees. Penn State Beaver, a part of the Commonwealth College, also offers associate degrees in electrical engineering technology; hotel, restaurant and institutional management; liberal arts, and science. The CEO at Beaver is also responsible for collaborating on continuing education activities.

At Hazleton, located on a 75-acre mountaintop site near the intersection of I-80 and I-81, the campus serves the greater Hazleton area in southern Luzerne County and six surrounding counties. The campus enrolls students from communities throughout Pennsylvania and nearby states. A residential campus that houses 490 students, Hazleton has an enrollment of 1,300 full-time students, as well as continuing education programming for adult and nontraditional students. Academic programs include associate degrees in mechanical engineering technology, electrical engineering technology, letters, arts and sciences, physical therapist assistant, medical laboratory technology, business administration and the first two years of most of the University's 180 baccalaureate majors. Hazleton is also part of the 12-campus Commonwealth College.

Candidates for both positions should have an earned doctorate, several years of experience in college and/or university teaching and substantial experience in academic administration.

Those interested in the Penn State Beaver position, should send resumes to: **John Leathers**, associate vice president, Commonwealth Col-

Associate dean for faculty sought

The Commonwealth College is conducting a search for the position of associate dean for faculty, and requests nominations and applications for the position. The position reports to the dean of the Commonwealth College and, working with the dean's staff, division heads and faculty and administrators, is responsible for the faculty affairs of the college.

The associate dean is expected to provide leadership in such areas as faculty recruitment and hiring, annual review of faculty and faculty development. This includes the promotion and tenure process for the college, as well as promoting research, scholarship and creative accomplishment, teaching and learning effectiveness, and service.

Candidates should have an earned doctorate and an academic record allowing appointment to a senior faculty rank with tenure. In addition, significant leadership and administrative experience is required, as well as the ability to work collaboratively on cross-functional work groups within a complex organization. Candidates should have a demonstrated record of commitment to diversity and be able to work with a diverse faculty, staff and student body.

lege, 111 Old Main, Dept. CHBR, University Park, Pa. 16802. Anyone interested in the Hazleton CEO position should send resumes to: **John Leathers**, associate vice president, Commonwealth College, 111 Old Main, Dept. CHHN, University Park, Pa. 16802.

Applications will be accepted until a suitable candidate is selected. Women and minorities are encouraged to apply.

The search committee named for the Beaver campus post will be chaired by **John Simpson**, assistant professor of chemistry at Penn State Beaver. Other committee members include: **Toni Aikens**, financial aid representative, Beaver; **Ingrid Blood**, associate dean for undergraduate education; **Jack Cicciarelli**, assistant professor of environmental science, Beaver; **David Goldenberg**, CEO, Mont Alto; **James Kleer**, SGA treasurer

The Commonwealth College, the University's largest college, is represented at 12 campus locations: Beaver, Delaware County, DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Shenango, Wilkes-Barre, Worthington, Scranton and York. There are 14,000 credit students and almost 24,000 noncredit students. The college has 18 academic divisions, 500 full-time and 500 part-time faculty, and 575 staff. Additional information can be found on the Web at <http://www.cvc.psu.edu>.

Nominations and applications should be sent to **Rachel Miller**, Commonwealth College Human Resources, 431 Rider Building, 120 S. Burrows Street, University Park, Pa. 16801. Application review will begin Nov. 17 and continue until a suitable candidate is found. The Commonwealth College embraces the University's statement on affirmative action/equal opportunity. Women and minorities are encouraged to apply.

The search for dean of the Commonwealth College is continuing, with the pool of candidates now narrowed to three. The new dean will replace **Robert E. Dunham**, who will retire in mid-January.

and executive consultant, Beaver; **Jim Hetrich**, assistant professor of engineering, Beaver; **Karen** tutional management, Beaver; and **Sophia Wisniewska**, associate dean for academic programs, Commonwealth College.

The Hazleton CEO search committee is headed by **David Richards**, instructor in computer science at Hazleton. Other committee members include: **Kenneth Dudeck**, associate professor of engineering, Hazleton; **Bill Ellis**, associate professor of English, Hazleton; **Elaine Graham**, lecturer in speech communication, Hazleton; **Madlyn Hanes**, CEO and associate dean, Great Valley; **Michael Jais**, director of enrollment management, Hazleton; **Jon-Michael Roman**, president, SGA, Hazleton; and **Kenneth E. Varcoe**, associate dean for administration, Commonwealth College.

Parting

College of Medicine bids farewell to psychiatry chair

Dr. Anthony Kales, professor and chair of psychiatry in the College of Medicine, has stepped down as chair of the department. **Dr. Paul A. Kettl** has been named acting chair of the Department of Psychiatry.

Kales, who was named the founding chair of the Department of Psychiatry at the College of Medicine in 1971, has developed one of the premier departments of psychiatry in the country. A number of important milestones have been achieved in the Department of Psychiatry under his leadership and tutelage. These include development of three highly regarded residency training programs in general, child and geriatric psychiatry; the founding and establishment of the Central Pennsylvania Psychiatric Institute (CPPI), which serves as the Commonwealth's statewide

institute for training mental health professionals; the establishment of three outstanding psychiatric inpatient units (child, adult and geriatric); child and adult partial hospitalization programs and the University Recovery Center for alcohol and drug abuse; and development of an internationally recognized program in research on sleep and sleep disorders.

Kales is chairman of the Section on Psychiatry and Sleep Wakefulness Disorders of the World Psychiatric Association. He has authored or co-authored nearly 300 scientific articles and book chapters and six books relating to the effects of age, medical conditions, sleep disorders and various hypnotic drugs on the basic sleep cycle, as well as other psychiatric topics. Recently, he edited the book *Pharmacology of*

Sleep, which was published in the series, *Handbook of Experimental Pharmacology*.

His has received numerous awards and honors. Most recently, an endowed chair in psychiatry in the College of Medicine, the **Anthony Kales, M.D., Chair in Sleep Disorders Medicine**, was named in his honor.

"It has been most gratifying to me to be associated with the evolution of our College of Medicine into one of the finest academic institutions in the country," Kales said. "Now is the right time to pass on the baton of leadership, while the department is strong and flourishing and able to play a major role in the advancement both of Penn State's College of Medicine and the Penn State Geisinger Health System."

Appointments

Earth and Mineral Sciences names business, human resources director

Larry Achterberg has been appointed as director of business and human resources in the College of Earth and Mineral Sciences. In this position he will oversee EEMS business and administrative procedures, coordinate the acquisition and use of support system equipment and facilities, and direct the operation and security of administrative information systems. In addition, Achterberg will serve as the college's human resources representative, supervise budgets and manage the dean's office, and direct the college's continuous quality improvement initiatives. He has been a member of the College of Earth and Mineral Sciences' staff since 1992 and previously served as assistant to the college's financial officer.



LARRY ACHTERBERG

Achterberg holds a B.S. degree in biology from Cal Poly San Luis Obispo, Calif., and an MBA in finance from Penn State, and has completed substantial graduate work in human resources at Cornell University.

Before joining Penn State, he was a manager at

Accu-Weather Inc., and served as assistant to the president at Exstar Financial Group, Solvang, Calif. He also has supervised research laboratories at Penn State and Cornell universities.

Alumna, ex-aide to Gov. Casey joins staff as director of federal relations

Susan L. Grimm, a Penn State graduate and former aide to former Pennsylvania Gov. Robert Casey, joined Penn State's governmental relations office this summer as director of federal relations.

As director, Grimm reports directly to Richard Di Eugenio, special assistant to President Graham B. Spanier for governmental affairs, and will serve as the liaison between the University and the federal government. Her responsibilities include monitoring and determining the impact on the University of federal legislation and other activities of the federal government, meeting with elected and appointed government officials, and representing the University on a broad range of issues.

A native of Indiana, Pa., Grimm was director of



SUSAN L. GRIMM

communications and press for the Pennsylvania Higher Education Assistance Agency in Harrisburg between January 1995 and July 1997. Before that she was deputy press secretary in Gov. Casey's press office, special assistant to the budget secretary for federal affairs in Gov. Casey's office in Washington, D.C., and fiscal policy analyst in the state budget office. She also worked as a reporter and in other positions at WJAC-TV, Johnstown and State College.

Grimm earned a B.A. degree in telecommunications from Penn State in 1984.

Altoona academic affairs office welcomes assistant director

Carl Larsen has joined Penn State Altoona's academic affairs team as its assistant director and now will focus on helping the campus as it makes the transition from a two-year to a four-year college.

Among the projects Larsen will address in his new role is the search for new faculty, overseeing part-time faculty and obtaining grants. He also will help the engineering program obtain accreditation and work with the college's Tech Prep program for high school students.

A former political science professor at Drake University in Des Moines, Iowa, Larsen received his master's degree in political science and Ph.D. in political science and international relations from Rutgers University. In addition to teaching at Drake, Larsen has worked for Centre College in Kentucky and Seton Hall University in New Jersey.

Departments

Staff

Deanna Alexander, administrative assistant in telecommunications at Penn State Erie, Behrend College.

Victoria G. Bordin, manager, academic actions in Vice President and Dean for Enrollment Management and Administration.

Terry E. Borg, senior program planner in Continuing and Distance Education.

Joseph S. Broniszewski, manager, network and information systems in Intercollege Research Programs.

Jennifer S. Burns, assistant director at Penn State Harrisburg.

Mary Anne L. Cair, director of development in Division of Development and Alumni Relations.

Mary E. Cameron, staff assistant V in College of Earth and Mineral Sciences. Joseph K. Carlson, information technology associate in Eberly College of Science.

Vicki J. Cernansky, manager for business services at The Nittany Lion Inn.

Duane R. Champion, assistant chief engineer for multimedia production, development and support in Continuing and Distance Education.

Margaret Chivaverini, assistant to financial officer I at Penn State McKeesport.

Kenneth I. Clarke, director, student activities in Student Affairs.

Wendie G. Coble, staff assistant VII in Continuing and Distance Education.

Evelyn Connor, staff assistant VI in the Applied Research Laboratory.

Tina M. Craig, staff assistant VII in University Registrar's Office, Vice President and Dean for Enrollment Management and Administration.

Mary B. Crowe, administrative project associate in Office of the Senior Vice President for Administration, Office of the President.

Bonnie L. Dailey, staff assistant VI in Continuing and Distance Education.

Alexandre M. Dasilva, manager, food services II in Housing and Food Services.

Joelle S. Devinney, staff assistant VI in College of the Liberal Arts.

Lisa M. Dibert, staff assistant VI in Eberly College of Science.

Anna M. Donczec, assistant director, budget and finance in Continuing and Distance Education.

Carol L. Dreilbelis, staff assistant VII in Continuing and Distance Education.

Karen J. English, research compliance coordinator in Intercollege Research Programs.

Janice Ferguson, marketing communications account specialist in Continuing and Distance Education.

Sandra H. Friedman, assistant director, Alumni Relations at Penn State Harrisburg.

Carol L. Gardner, administrative assistant I in Eberly College of Science.

Michelle A. Garger, assistant campus registrar, College of Medicine, The

Hershey Medical Center.

Gail E. Good, assistant director, admissions, graduate admissions at Penn State Altoona.

Amy J. Gordon, staff assistant VI in College of Health and Human Development.

Jo Ann Harris, administrative assistant I in College of the Liberal Arts.

Barbara A. Hartle, staff assistant VI in College of Agricultural Sciences.

Nadine R. Lamb, staff assistant VI in Research and Graduate School.

Ludmilla Landrin, information systems assistant II in Student Affairs.

Michael J. Leonard, senior undergraduate student adviser in Division of Undergraduate Studies, Vice Provost and Dean for Undergraduate Education.

Kimberly M. Miller, staff assistant V in Continuing and Distance Education.

Priscilla M. Miller, staff assistant VI in Student Affairs.

Diana E. Moore, staff assistant VI in Student Affairs.

Lynea A. Morgan, senior applications programmer/analyst in the Applied Research Laboratory.

Andrew E. Ofalt, senior applications programmer/analyst in College of Agricultural Sciences.

Joseph M. Puzycyk, director of judicial affairs in Student Affairs.

Kelly J. Rhoades, administrative assistant II in College of Earth and Mineral Sciences.

Michael A. Rogosky, senior research support associate in College of Engineering.

Lori D. Schoch, staff assistant VIII in Student Affairs.

Lisa M. Sennett, research support technician III in College of Health and Human Development.

Brian E. Siskora, financial officer V in Corporate Controller's Office.

Lorene F. Stitzer, staff assistant VII in Eberly College of Science.

Jason L. Swearingen, assistant research engineer in the Applied Research Laboratory.

Robert E. Turner, senior extension associate in College of Agricultural Sciences.

Kelly J. Williams, staff assistant VIII in College of Education.

Barbara Wray, staff assistant VI in College of Agricultural Sciences.

Kimberly J. Zimmerman, proposal and grant aide in Intercollege Research Programs.

Monica R. Zimmerman, service desk coordinator in Office of Physical Plant.

Joseph E. Zuravlev, restaurant's manager in The Nittany Lion Inn.

Technical Service

Patricia D. Miller, operator A, satellite copy center in Business Services.

Mark A. Trautman, tree surgeon in Office of Physical Plant.

John C. Young, lead electrician in Office of Physical Plant.

Private Giving

Alumnus gives \$819,000 to Delaware County campus

A relationship that began in 1962 between a Penn State graduate teaching assistant and an undergraduate student has resulted in the largest private gift to the Delaware County campus in its 30-year history.

The 1962 student was David L. Lipson, who graduated three years later with a degree in liberal arts and is now president, chief executive officer and chairman of the board of directors of Integrated Systems Consulting Group Inc. (ISCG), an information services consulting firm with headquarters in Wayne, Pa.

The graduate assistant who taught chemistry at the University Park campus in 1961 is Edward Tomezko, now campus executive officer at Penn State Delaware County.

A few weeks ago, Lipson handed stock certificates valued at \$819,000 to Tomezko. The gift was made in support of the new classroom building, a \$4.1 million Pennsylvania Department of General Services project now under construction at the campus in Media.

In making his gift, Lipson emphasized that his admiration

for Tomezko as a teacher and mentor was key to his decision to support Penn State.

Lipson, former president of the Delaware County Campus Advisory Board, co-founded ISCG in 1988, with two other individuals. The company now is a publicly held corporation with nearly 500 employees.

Long an advocate of major universities' need to stay current in technology, Lipson saw the construction of a new classroom building at the campus as a perfect match for his intended gift to Penn State. The building will be networked completely to enable the application of technology in all classes and is expected to be completed next June.

Lipson also has served as vice president of the board of directors for the Information Technology Services Group of ITAA, a member of the board for the Information Systems Group of the Technology Council of president of development of the BETA State Foundation, a 501c corporation which provides financial assistance to undergraduates of Penn State.

Couple's \$250,000 gift supports academics and alumni center

Gifts totaling \$250,000 from Penn State alumnus William A. Jaffe and his wife, Honora, of State College, will support three academic programs and a new alumni center at the University.

A portion of the funds will endow the William and Honora Jaffe Senior Transitional Seminar in the Academic Support Center for Student-Athletes. The one-credit seminar will be offered for the first time in spring 1998. It is designed as a life skills program to help student-athletes channel what they've learned from college-level sports to other aspects of their lives — such as the job market, graduate school or professional sports.

Other gifts from the Jaffes will benefit the Penn State Hill Foundation, a home away from home for the University's Jewish student population; a scholarship fund for the College of Communications, which recently named William Jaffe an Alumni Fellow; and the future Alumni Center, which will be developed as an addition to University House at the University Park campus.

William Jaffe grew up in Philadelphia, ~~where he earned his bachelor's degree~~ in a master's degree in management from the University of Illinois in 1962. He heads the Jaffe Group, a State College-based human resources consulting firm.

Before forming the Jaffe Group, he spent 28 years with two international consulting companies, Towers Perrin and Alexander & Alexander, and served as an adjunct associate professor of management science at The George Washington University.

For Penn State, he serves on the boards of the College of Communications Alumni Society, the Hill Foundation and the Nittany Lion Club Advisory Council. He also has held various leadership positions with the Alumni Association Council and the Lion's Paw honor society, and served as regional co-chair of the fund-raising campaign for the faculty chair in Jewish studies. He is president of the Mount Nittany Conservancy, and a member of the Athletic Department's Campaign Committee.

He received a Service to Penn State Award from the College of the Liberal Arts in 1991, and previously created the Reuben Jaffe Memorial Journalism Scholarship in honor of his father, a 1922 Penn State graduate in electrical engineering.

Honora Jaffe serves on the Community Advisory Council of the Center for Jaffes' daughter, Robin, graduated in 1995 from the College of the Liberal Arts, and their son, Matthew, attended Penn State as well.



Comparison shopping

Tamara Simpson, a Penn State graduate, spoke with Craig Pilant of Fordham University during the recent graduate fair at the Hetzel Union Building on the University Park campus. The fair brought graduate school recruiters from universities across the country together under one roof, giving students the opportunity to see what's available.

Photo: Greg Grieco

Obituaries

Robert G. Balla, associate professor of engineering at Penn State Wilkes-Barre, from Sept. 1, 1958, until his retirement Jan. 1, 1991; died Aug. 23 at the age of 71.

Louise P. Breon, secretary, Health, Physical Education and Recreation, from Jan. 3, 1965, until her retirement Aug. 1, 1982; died Sept. 24 at the age of 74.

George J. Field, manager, manufacturing lab, Computer Science and Engineering, from April 13, 1977, until his death Sept. 25. He was 47.

Max A. Fishel, groundskeeper, landscape, Office of Physical Plant, from Oct. 16, 1949, until his retirement June 1, 1974; died Aug. 6 at the age of 85.

Jeffrey S. Lannin, professor of physics, Eberly College of Science, from July 1,

1976, until his death Sept. 10. He was 57.

Ivy F. Lytle, residence hall worker, Housing and Food Services, from Aug. 29, 1966, until her retirement May 29, 1982; died Aug. 28 at the age of 76.

Sarah B. McGrew, assistant professor of biochemistry, Eberly College of Science, from Sept. 1, 1946, until her retirement July 1, 1967; died Aug. 28 at the age of 93.

Douglas A. Reader, utility worker, The Hershey Medical Center, from Oct. 22, 1979, until his retirement Jan. 1, 1990; died Sept. 1 at the age of 70.

Harold P. Zelko, professor of speech, College of the Liberal Arts, from Sept. 1, 1936, until his retirement Oct. 1, 1968; died Aug. 1 at the age of 88.



Recycling pays

Not only have thousands of students been reading the morning newspapers provided in their residence halls every day, but they also are recycling the papers at a record pace. Just two months into the program, the University has recycled enough papers to earn \$2,000 in scholarships from PennMulch, *The New York Times*, *USA Today* and the *Centre Daily Times*.

Photo: Greg Grieco

Penn Staters

Charles Abdalla, associate professor of agricultural economics and **Tim Kelsey**, associate professor of economics, are from the Soil and Water Conservation Society for "Breaking the Impasse: Helping Communities Cope With Change at the Rural-Urban Interface."

Stacie Bird, photographic/graphics specialist in agricultural information services, received an Award of Excellence for a digital photo series from the University and College Designers Association in the group's 1997 Design Competition.

Simon Bronner, distinguished professor of American studies and folklore at Penn State Harrisburg, recently returned from a year in Japan on a Fulbright grant at Osaka University and has now been named a visiting professor at Harvard University. Bronner will teach two courses — ethnic history and folklore in American civilization. In addition, he was recently keynote speaker at the Symposium on the History of Folklore and American Civilization.

Daniel W. Conway, associate professor of philosophy, presented a lecture titled "Teleological Suspensions of the Ethical," at the Sren Kierkegaard Forskningscenteret in Copenhagen, Denmark.

Alan Davis, professor of geology, recently served as a member of the U.S. delegation to the International Organization for Standardization (ISO) meeting on solid mineral fuels in Cape Town, South Africa. While there, he gave a seminar on coal fluorescence at the School of Process and Materials Engineering at the University of Witwatersrand, and presented a review of coal quality and distribution in the United States at a meeting of the Fossil Fuel Foundation at the Council for Geoscience in Pretoria.

George S. Dulikravich, associate professor of aerospace engineering, delivered an invited lecture on "Inverse Determination of Boundary Conditions in Field Problems" at Advanced Technology in Experimental Mechanics in Wakayama City, Japan. He also delivered invited lectures at Toshiba R&D Center and

at Tohoku University; and co-chaired a Symposium on Issues in International Water Transfer Conference.

Joy Dunbar, program manager for the Pennsylvania Rural Leadership Program in agricultural economics and rural sociology, was reappointed to the Public Utility Commission's Consumer Advisory Council through 1999.

Zachary Irwin, associate professor of political science at Penn State Erie, Behrend College, presented the paper "United States Policy Toward Yugoslavia, 1945-47" at an international conference in Koper and Nova Gorizia, Slovenia.

R. Scott Kretschmar, professor of exercise and sport science, recently presented two papers at international conferences. The first, a keynote address at the International Sport Science Congress in Seoul, Korea, was titled "When Movement Became Too Useful: Rediscovering our Playgrounds." The second, "The Status and Complexity of Sport's Regulatory Rules," was read at the Philosophic Society for the Study of Sport meeting in Oslo, Norway.

Charles Krueger, professor of agronomy, was appointed liaison for the National Environmental Initiative, a collaborative project of the State Agricultural Experiment Stations and the USDA Cooperative State Research, Education and Extension Service charged with building partnerships between USDA and land-grant universities.

Catherine A. Lee, head librarian at Penn State DuBois, is one of America's premiere achieving women according to Marquis' *Who's Who*. Lee is profiled in *Who's Who of American Women* 1997-98, 20th edition, along with 29,000 top achieving women from across the United States. Selection to *Who's Who* is based on both personal achievement and contribution to society.

Albert Luloff, professor of rural sociology, received the Excellence in Research Award from the Rural Sociological Society.

Thespians to reunite on University Park campus for 100th anniversary

The Penn State Thespians will be celebrating their 100th Anniversary Reunion during the weekend of Oct. 24, 25 and 26. The Thespians are the oldest, continuing student organization on campus and were the first group to perform in Schwab Auditorium in 1903.

The weekend will begin with a reception on Friday from 7 to 11 p.m. in the Colonial Room at The Nittany Lion Inn on the University Park campus.

Saturday's events include an interest group roundtable discussion, and bus and walking tours of campus. Saturday evening events include cocktails and dinner at The Nittany Lion Inn, the induction of President Graham B. Spanier as an honorary member of Thespians, followed by a 100th anniversary revue of original and Broadway music from selected Thespian shows of the past 100 years. There also will be a dedication of two commemorative posters to be hung in the lobby of Schwab Auditorium.

On Sunday morning, a farewell brunch will be held in the HUB Fishbowl to conclude the weekend. For more information contact: Margaret Lloyd at (814) 865-3942 or (814) 238-0287 or by e-mail at MXL8@psu.edu.

Allen Meadors, dean and CEO of Penn State Harrisburg, was named the 1997 Outstanding Educator award winner for his efforts and contributions to student life. He was chosen for the award because of his implementation of the CEO Council on Student Affairs and for his progressive work in bettering student life.

The award is given by the Council of Chief Student Affairs Officers, which encompasses all directors of student affairs at Penn State. It is the highest award that can be given from Student Affairs, and Meadors is one of only two who have received this award other than student affairs personnel. President Graham B. Spanier is the other individual who has been honored with the Ben Lane Award.

Gary L. Messing, director of the Materials Research Laboratory and professor of ceramic science and engineering, recently co-chaired the 6th International Conference on Ceramic Processing with professors **Fred Lange**, University of California-Santa Barbara, and **S. Hirano**, Nagoya University. Messing also gave a keynote address on "Seeding for the Temploting of Novel Microstructures."

Robert E. Newnham, associate director of the Materials Research Laboratory, was an invited speaker at the Ninth International Meeting on Ferroelectricity in Seoul, Korea. The title of his lecture was "Biomimetic Ferroelectric Sensors and Actuators." He also was an invited speaker at the National Meeting of the American Chemical Society. Recent advances in multilayer capacitor technology were described in his talk on "Size Effects in Ferroic Solids."

Pianist **Timothy Shafer**, associate professor of music, made his New York solo recital debut in Carnegie Hall's Weill Recital Hall, New York City. His concert, "Romantic Extremes," featured works exclusively by Franz Liszt and Johannes Brahms. A compact disc recording of the music from the recital is due for release in 1998.

Edgar Yoder, professor of agricultural education, was recently named president of the National Association of Colleges and Teachers of Agriculture.



Valerie King, assistant professor of sociology and human development and family studies, has done research into the well-being of children in households with nonresident fathers.

Photo: Greg Grieco

Divorced fathers make impact with child support

By PAUL A. BLAUM
Public Information

Divorced fathers help their children more by consistent payment of their child support than by the number of visits made to their children.

What is more critical for child well-being in households with nonresident fathers is whether the father pays child support, said Valerie King, assistant professor of sociology and human development and family studies.

"Approximately one-half of all children will live in a single-parent family at some point in their childhood," King said. "This, in turn, has redefined the relationship between parents and their offspring. The nonresident parent, usually the father, often becomes, by default, the less dominant parent.

"My data demonstrates that for nonresident fathers, the critical factor is the level of his child support, rather than the frequency of his visits," said King. "Besides direct help to the child, payment of child support may help indirectly by enhancing the mother's economic well-being and thus her emotional well-being. It may also have noneconomic effects such as improving mother-father or father-child relationships by reducing conflict between the divorced parents."

"The level of child support is crucial in that it can significantly increase the resources available to the child. Additional money from child support may allow the child to make use of better educational activities and materials, receive better health care or live in a better neighborhood.

"Compared to mothers, fathers tend to have

comparatively little involvement in the day-to-day care of their children, even in intact families," King said. "Therefore, infrequent contact between nonresident fathers and their children seems to be less damaging than many people think."

But the sociologist is not suggesting that the father should stop seeing them or make his visits few and perfunctory.

"Although little evidence exists that visitation by nonresident fathers helps child well-being, these fathers can be important in other ways," King said. "Like all fathers, they can potentially offer material resources, instruction and training; serve as good role models; and provide emotional support. They also can indirectly affect their children by their influence over the mother and the mother's behavior toward the child."

If nonresident fathers stay involved, the parents may be able to better maintain consistent discipline and supervision over their children. Mothers may be relieved of some of their stress from taking sole responsibility.

"Visitation per se can potentially have harmful as well as beneficial effects," King said. "Indeed, if a father is violent or abusive, visitation may do more harm than good. Similarly, if the parents are continually fighting, the father's presence may increase family tensions which in turn do emotional harm to the child."

The data for this analysis is from a National Longitudinal Survey of 6,283 women between 14 and 21 years old in 1979. As of 1988, a total of 3,822 women out of the original sample had borne 7,346 children. King's analysis focuses on the 2,220 children living in households with their mothers but with the father living elsewhere in 1988.

Professor researches groundbreaking achievements of artist-composer Ives

By GABRIEL J. WELSH
College of Arts and Architecture

Charles Ives (1874-1954) is an artist most authorities would categorize among the world's great composers. Unlike many contemporary composers, however, music was not Ives' main vocation; rather, he went into insurance. That Ives was so successful at both endeavors — he invented estate planning — is both remarkable, because of his musical talent, and interesting, because of his professional life's influence over his political and creative ideas.



MICHAEL BROYLES

"Ives lived at a time of fundamental change in American society, and his creative work mirrors those changes," Michael Broyles, distinguished professor of music and professor of "Charles Ives and the American Landscape," which appears in *Charles Ives and His World*, published this year.

"In particular Ives gives voice to the pervading mixture of anxiety, nostalgia and revolution that did much to shape the late 19th and early 20th centuries."

Ives' compositions were groundbreaking, assimilating elements of high art and the vernacular, layering often conflicting rhythms and melodies into impressionistic pieces of great density. Within his elaborate works, there are choral lines, his own poems and statements of politics and philosophy that arose out of the influence of the world around him.

Due to much of the content of Ives' work, he has been, according to Broyles, misconceived as a populist and progressivist. Broyles said some definitions of populist and progressive are suspect and that, once those "corrected" definitions are analyzed and compared with Ives' thoughts and actions, the definitions do not apply. As in his music, Ives the man is much more complex than mere political definitions, as contrary and lively as any person of character. In much the same way, it reflects how his music is much more engaging than the quickly applied label of "dissonant" would suggest.

Broyles found that Ives became more bitter and recalcitrant toward the end of his life, facing what he considered a tragic removal from his idealized 19th-century village political ethic to the industrial society. It was at the point where Ives faced this realization that his creative output declined, never to recover. Nearly 20 years after he stopped writing, symphonies began premiering his works and, in 1947, he received the Pulitzer Prize for his Symphony No. 3.

"Musicalologists have ... ignored much historical research of the last 20 years," Broyles said. "As a consequence many interpretations of Ives are based on outdated or even naive historical premises. Ives' relationship to his time assumes a very different shape when his political ideas are examined in the context of modern historical research."

Faculty Senate News

The University Faculty Senate will meet on Tuesday, Oct. 21, at 1:30 p.m. in Room 112 Kern Graduate Building on the University Park campus.

Items to be addressed include:

- Final report and recommendations of the Special Committee on General Education (legislative); see story on page 1.

- Faculty tenure issues (informational)

- Faculty salary report by gender (informational)

- Joint Committee on Insurance and Benefits, Annual Report 1996-97 (informational)

- Update on University Planning Council activities (informational)

- Budget planning for 1997-98

- Status of construction projects (informational)

Members of the University community are invited to attend. Anyone who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary, at least four days before the

Carpooler

Vanpoolers wanted from Philipsburg to University Park campus Monday through Friday. Arrive on campus 7:30 a.m. and depart at 4:30 p.m. Interested riders can phone Doris at 865-0560 or send e-mail to dgh@psulias.psu.edu.

For the Record

■ Due to a source error, the name of retiring Penn College President Robert L. Breuder was incorrect in a story on page 10 of the Oct. 9 *Intercom*. In the same story, the retirement date for Robert E. Dunham, senior vice president and dean of the Commonwealth College, also was incorrect. Dunham will retire Jan. 16, 1998.

■ The "Christmas at Penn State" collector's ornament featuring the Palmer Museum of Art is available for \$14.95 at the museum on the University Park campus. That information was omitted from a story on page 11 of the Oct. 2 *Intercom*, due to a source error.



Enjoying the day

Abby Sheskey, left, an employee of the Penn State Cedar Child Care program, and Heather Simpson, a sophomore liberal arts major, play ring-around-the-rosie on Old Main lawn with children from the program during the recent spell of unseasonably warm (but welcome) October weather.

Photo: Greg Gricco

BOOK SHELF

Listening to Their Voices, The Rhetorical Activities of Historical Women, edited by Molly Meijer Wertheimer, associate professor of speech communication and women's studies at Penn State Hazleton, is a fresh interpretation of women's speaking and writing throughout Western history.

To be published in November by the University of South Carolina Press, the book looks at an area of traditional rhetorical history that has been excluded. The 18 essays in the book retrieve the voices of women who contributed to the rhetorical realm. Covering a diverse range of rhetorical

pursuits and historical eras, the selection looks closely at such topics as the bold speech of ancient Egyptian women, the rhetorical genres of mother's manuals and women's commercial writings in the Middle Ages, exhortations for racial uplift by 19th-century African American women, and more. Wertheimer also contributed an essay to the text.

Daniel W. Conway, associate professor of philosophy, is the author of *Nietzsche and the Political*, published by Routledge. The book comprises a study of the political thinking of Friedrich Nietzsche (1844-1900), a German-born philosopher whose ideas have significantly influenced the course of 20th-century philosophy. *Nietzsche and the Political* appears in the Routledge series *Thinking the Political*, which is intended to provide non-specialists and advanced graduate students with a comprehensive survey of the development of 20th-century political theory.

PENNSTATE INTERCOM

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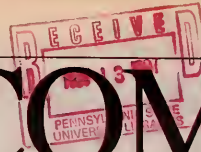
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Volume 27, Number 10

Still much to do as strategic planning continues

By LISA M. ROSELLINI
Public Information

The September completion of Penn State's strategic plan, a five-year vision expected to guide the University into the year 2002, signals the start of yet another process—one that will now measure how the University is meeting its reworked goals. This is

the first time Penn State has had a five-year strategic plan.

For almost the past two years, the University has been undergoing a strategic planning process aimed at creating an understandable set of priorities. Led by the 15-member University Planning Council, the planning process has traveled a rough road as department and unit heads, and deans and directors

were asked to carefully scrutinize their operations and determine how to best use their resources. Without such a forward-looking document, the University could find itself in a serious financial crunch and not necessarily answering the needs of students.

"Strategic planning is a lot of hard work," John Brighton, executive vice president and provost, said.

See "Strategic planning" on page 2

New partnership to help address impact of alcohol

Binge drinking, underage drinking, vandalism and noise are issues on college campuses and in college communities across the country. But Penn State and the Pennsylvania Liquor Control Board are launching a unique educational partnership to address the concerns of students, their parents and the communities that surround the University.

On Oct. 17, President Graham B. Spanier and PLCB Chairman John Jones III announced a partnership to address the impact alcohol has on students and on the productivity and competitiveness of the Commonwealth. The partnership between Penn State and the PLCB is the first such alliance in the country and will focus on developing intervention and educational programs that promote responsibility and citizenship.

Penn State and the PLCB will host a statewide conference at the University in the spring, involving college and university officials statewide, student groups, government and community leaders, as well as representatives of business and industry. The Penn State-PLCB partnership is a statewide initiative involving all Penn State campuses and the entire network of the Liquor Control Board.

See "Alcohol" on page 3



Autumn maintenance

Office of Physical Plant employee Harry Emel paints the fence surrounding the University Park Trial Gardens on Park Avenue. Emel and his coworkers are busy completing outdoor maintenance projects before the winter weather arrives.

Photo: Greg Grieco

Million dollar gift to endow faculty posts

To initiate a precedent-setting collaboration between the University Libraries and the College of Communications, alumni Lawrence and Ellen Foster have given \$1 million to endow new faculty positions in both units. Their gift will be divided equally to create endowments for the Foster Librarian and the Foster Professorship in Communications.

The endowment for the Foster Librarian will enable the Libraries to recruit a specialist who will provide full-time instruction and reference services to students and faculty in the College of Communications. The Foster Professorship will support the development and implementation of new strategies for improving students' writing skills.

Lawrence Foster, a Penn State Distinguished Alumnus, was a journalism graduate in the class of 1948. He retired in 1990 as vice president of public relations at Johnson & Johnson and is now a consultant. He served on the Penn State Board of Trustees (1980-89), was president of the Alumni Association and the Penn State Fund Council, and chaired the first Libraries Development Advisory Board. He now serves on the College of Communications

See "Endowment" on page 3

Inside



An extra hour of sleep!

At 2 a.m. on Sunday, Oct. 26, we return to Eastern Standard Time. Don't forget to set your clocks back one hour before you turn in for the night on Saturday, Oct. 25.



How medieval

One Penn State professor takes a closer look at coats of arms as a way of tracking history. For more information on a major new reference work he has compiled, turn to Focus on Research, page 15.

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GLAD you asked

To submit a question for this column, please send e-mail to the address listed below. Submissions must include a contact name and telephone number so that *Intercom* can verify the source. Requests for anonymity will be honored.

Q: Numerous national studies have shown that the No. 1 reason young families cannot afford to buy a home is that they don't have the enormous chunk of money required for a down payment and closing costs. Given this, why aren't Penn State employees allowed to withdraw any of their retirement money to assist in buying a home — unless they leave the University? This issue is particularly important for employees in the Philadelphia area, where real estate prices are some of the highest in the country.

— Need a place to call home
Philadelphia region

A: While there are in-service withdrawal provisions in many supplemental retirement savings plans, including the Tax Deferred Annuity plan at Penn State, the restriction on in-service withdrawals from basic pension plans is not uncommon. The restriction may be a function of plan design or, as is the case with the State Employee's Retirement System (SERS) and the Alternative Retirement Plan through TIAA/CREF, a matter of state law.

The primary objective of pension plans is to ensure an adequate replacement of pre-retirement income at a normal retirement age so that an individual can afford to retire. Building a significant retirement amount is becoming more critical as a result of increasing life expectancy. Additionally, concerns over Social Security and the erosion of buying power due to inflation are making private retirement savings plans even more critical.

The federal government, by the use of tax incentives, encourages pension plan contributions by both employers and employees. Federal regulations, while allowing for pre-retirement withdrawals from pension plans, restrict the reasons for those withdrawals. Pre-retirement distributions are subject to regular income tax and a 10 percent penalty on the amounts distributed.

There are, however, some recent changes regarding the TIAA/CREF retirement plan at Penn State. TIAA/CREF retirement participants may now borrow up to 45 percent of their retirement annuity accumulation for any reason. The borrower has five years to repay the loan, or 10 years if the money is used to purchase a primary residence. The accumulations being held as collateral continue to earn the current rate of interest, and repayments are made quarterly using a variable interest rate equal to the Moody's Corporate Bond Yield Average for the calendar month two months before the loan issue date. Unlike cash withdrawals, retirement loans offer a way to access monies without reducing future pension accumulations and without being subject to taxes. Individuals who would like additional information about the loan provision should contact TIAA/CREF at 1-800-842-2776.

— Phil Carlin
Benefits specialist

Strategic planning

continued from page 1

"But the alternative is less desirable ... that is to have no vision and no objectives. That only leads to a less effective working environment."

Brighton, who is chairman of the University Planning Council, said everyone in the University community needs to now "take ownership" of the University-wide plan and work toward meeting its six overarching goals, from enhancing academic excellence to developing new sources of income. (See box below).

During a panel discussion Oct. 14 at The Nittany Lion Inn on the recently released plan, Brighton said that by "thinking five years out, we can begin to identify certain key areas and priorities." Something the University was not able to do before. The 34-page plan is a framework, complete with guidelines, that is expected to strengthen the University's core missions of teaching, research and service.

"A willingness to change is a big part of the strategic planning process," said Susan Welch, dean of the College of the Liberal Arts and a UPC member. "When we first began this process, the thought from units across the University was 'We don't need to change, we're just underfunded. Just give us more money.'"

"But the strategic planning process means that units must decide what are their priorities and they must decide on the needed changes," Welch said. "This process allows a time out to sit down and take a look at the big picture."

Through the planning process, 31 units (mostly colleges and campuses) submitted documents to the UPC. Some of those strategic plans were carefully thought-out visions supported by strong data and compared against peer units at other institutions. In addition, their visions clearly aligned with the University's overall strategies. Other plans were not so well prepared.

"A unit must look very critically at itself and it may not like what it sees, but that is exactly what needs to be done," Brighton told the 45 people in attendance. "A realistic look at strengths and weaknesses and the ability to admit and recognize a need to change is the bottom line. The objective of the strategic plan is not to look good, but to look realistically."

Since the completion of the overall strategic plan, the UPC is deciding what data would help to measure the overarching University-wide goals that have now been spelled out. A "brainstorming" session was recently held to come up with some specific measures for a plan that is "intentionally broad."

"This strategic plan really is a broad framework because the action occurs at the college and department levels," Louise Sandmeyer, a UPC member and director of the Center for Quality Planning, said. "The strengthening of these goals really depends on the units that have ownership of the programs."

Sandmeyer said one example of a potential measure would be to determine the levels of satisfaction of students, graduates, alumni and employers with the Penn State experience. Taking the ideas from the recent brainstorming session,

the UPC will now identify three or four measures — most of which will cut across goals and gauge more than one area of progress.

While the UPC is busy establishing measures for University-wide goals, units should be determining their own measures. Panelists said that it is up to each unit to collect its own data supporting the goals of that particular unit.

The UPC has asked the 31 budget units by Jan. 12, 1998, to prepare a two- to four-page planning update that would summarize the unit's goals and provide a description of the unit's progress, including quantitative and qualitative data to measure the unit's performance. Some measures might look at enrollment figures, graduation rates, retention rates and the quality of students. At other institutions across the country, measures such as the number of endowed chairs and named professorships, salary parity with peer institutions and the number of minority faculty on board are used to forecast progress.

"Central administration should not dictate what data is most important to a department," Brighton said. "It is up to that department to find the data that supports its goals. In doing so, units need to be honest, identify negatives, but have a plan to address any negatives. It is important to go out and compare your unit or department to the best in the country. Look at faculty/student ratio, enrollment numbers, courses offered and research funding."

In addition, the UPC has identified six units across the University to participate in a more-in-depth strategic planning approach. The School of Public Affairs at Penn State Harrisburg, the Department of Computer Science and Engineering, the School of Forest Resources, Abington College, the School of Business at Behrend College and the Department of Psychology have all been selected as part of a focus group that will eventually serve as a planning model for other units to follow, according to Sandmeyer.

Sandmeyer said that these six units were selected for a variety of reasons, ranging from willingness to embrace change to the fact that change was already occurring in the form of new leadership. In addition, some of these six units had strong programs that showed great potential for ranking high in academic excellence and fostering cross-disciplinary efforts — two attributes that meld well with the University's overall plan.

Brighton admitted that during the Future Committee process several years ago — the first University-wide attempt at strategic planning — little guidance was given to units that were directed to "benchmark" their programs against other institutions. By selecting the six units as part of the focused planning group, the UPC can now shepherd the units through the process and, in turn, help other areas discover how to correctly put together a workable strategic plan.

Anyone wanting to see the full text of the plan, can download it from <http://www.psu.edu/university/stratplan.pdf>. Help for those units revising their strategic plans or currently determining measures for their identified goals is available from the Center for Quality and Planning at (814) 863-8721.

STRATEGIC PLAN

Penn State's Overarching Goals

1. Enhance academic excellence through greater support of high-quality teaching, scholarship and research.
2. Enrich the educational experience of all Penn State students.
3. Build a more considerate and civil community.
4. Serve the people of the Commonwealth.
5. Develop new sources of income.
6. Reduce costs through improved efficiencies.

Alcohol

continued from page 1

"Educational programs do work and they are working at Penn State. I think by combining what we are learning about how to curb excessive drinking with the extensive network of services and programs offered by the PLCB, we will create a powerful program for change," Spanier said. "We are committed to improving the environment for learning for our students by controlling alcohol and substance abuse at Penn State and are pleased that the PLCB is joining us in this effort."

"Pennsylvania's Liquor Control Board is widely recognized as the alcohol education authority in Pennsylvania and is drawing attention from all over the country," said Jones. "This announcement places us at the forefront of this critical issue. While college drinking may be receiving media attention today, alcohol abuse is a problem throughout our society. The PLCB is working to be part of the solution."

In Spanier's State of the University Address last year, he identified the excessive use of alcohol as the No. 1 problem facing higher education and he quickly went to work to address that issue. Today, Spanier reports improvements on campus. A 1995 study shows that a third of the students at the University Park campus surveyed had missed a class due to drinking; that figure fell to less than 20 percent last year. In the same survey, 27 percent of the students questioned said they fell behind in their studies as a result of alcohol. Last

STEERING COMMITTEE NAMED

A steering committee has been designated to guide the activities of the partnership. Members include Darryl Stackhouse, director of administration for the PLCB, Steven Schmidt, PLCB director of the Bureau of Alcohol Education, and Penn State administrators James Ryan, vice president for cooperative extension and outreach, and William Asbury, vice president for student affairs.

The partnership's goals are to continue collaborative efforts; conduct research on the impact of alcohol on learning environments and the workplace; develop programs to reach out to communities experiencing difficulties with alcohol; and look for opportunities to cooperate with other state and national alcohol programs such as Students Against Drunk Driving and Mothers Against Drunk Driving. The statewide conference planned for next spring will involve Pennsylvania colleges and universities, community leaders, and representatives of businesses and industry, and will focus on best practices in alcohol intervention and education.

year that number dropped to 17 percent. Spanier credits the improvements to the University's awareness efforts and its attention to good citizenship, which led to the John Templeton Foundation naming Penn State to its 1997-98 Honor Roll for Character-Building Colleges.

Partnership expands existing programs

Benefitting a university environment, the Penn State-PLCB partnership announced Oct. 17, is educational in approach, not enforcement-based. Involving all Penn State campuses, it will build on several programs developed over the past year at Penn State, including a joint program of the College of Communications and the PLCB already under way. It will focus on developing intervention and educational programs that promote responsibility and citizenship.

Recent efforts at Penn State to promote responsibility and good citizenship have focused on raising awareness and offering constructive alternatives to alcohol-focused events, such as 24-hour programming at the student union building at University Park and a letter to students and their parents before they arrive on campus.

The PLCB has also stepped up its alcohol awareness programs. Last year, it entered into a research and teaching partnership with the College of Communications to develop educational strategies and an integrated curriculum on alcohol awareness, directed by Jeremy Cohen, associate dean for undergraduate education and faculty devel-

opment in the college, and Cinda Kostyak, director of its academic services. Faculty and students have already mapped out an ambitious production schedule.

Some students are working on public service announcements, some are conducting background research and seniors in a capstone course in advertising are designing full ad campaigns on alcohol awareness. Production classes are designing videos to prompt discussion on alcohol in middle and elementary schools, and next semester a group of students will work on an interactive CD that the PLCB can use in alcohol awareness presentations at elementary schools or that the school districts may use on their own.

In addition, Shyam Sethuraman, assistant professor of communications and director of the Media Effects Research Laboratory, and his students are conducting a series of studies on the media effects on alcohol consumption among college-age students. Classes in several other colleges of the University also have been engaged in projects to address health and behavioral issues related to excessive consumption of alcohol.



It only hurts a little ...

... but it could save you days of misery. Student Kate Hanson recently opted for a flu shot given by Joane Weyman, a licensed practical nurse in University Health Services in the Ritenour Building on the University Park campus. With flu season approaching, University Health Services held several open clinics for students to receive shots.

Photo: Greg Grieco

Endowment

continued from page 1

Alumni Board. Ellen Miller Foster graduated in 1949 with a degree in arts and letters and with her husband has been committed for many years to philanthropy at Penn State.

The Foster Librarian — equivalent in academic rank to a professorship — is among the first faculty positions of its kind at any major university. The endowment will enable the University Libraries to recruit a top scholar/librarian who will devote full time to assessing the informational needs of the College of Communications and coordinating the acquisition of additional information resources. The Foster Librarian also will provide instruction and reference services to help students locate and evaluate information.

The holder of the Foster Professorship will be an experienced and skilled writer who has special expertise in teaching the art and science of writing, and an understanding of the ways in which students learn. The Foster professor will encourage improved writing performance among students and work with other faculty to ensure the diffusion of effective writing and teaching strategies. It will be the first endowed professorship in the College of Communications.

The University invests endowed gifts and uses part of the annual return to fund the designated programs. Income from the Foster endowments might typically support salary supplements, acquisition of learning materials, travel, and research and clerical assistance.

Previous gifts to Penn State from the Fosters include an endowed scholarship fund in the College of Communications, and the auditorium in the new Paterno Library. The Fosters are natives of New Jersey. He was a reporter, bureau chief and night editor of the *Newark News* before joining Johnson & Johnson in 1957. In the 1980s he received wide professional acclaim for his role in managing the company's public relations response to two Tylenol tragedies, incidents of product tampering.

LECTURES

FMC Corp. vice president to discuss workplace relations

William "Jay" Kirby, a 1959 graduate of Penn State with a degree in labor management relations and senior vice president of FMC Corp., will present the 1997 Outstanding Alumni Lecture in the Department of Labor Studies and Industrial Relations on Thursday, Oct. 30.

Kirby, a member of the College of the Liberal Arts Development Council, will discuss the employee/management relations style required for the 20th century at 8



WILLIAM "JAY" KIRBY

p.m. in 112 Kern Auditorium on the University Park campus. He holds a master's degree in industrial relations from the New York School of Industrial Relations, and has served on its advisory board.

In addition to lecturing, Kirby will meet with students. The lecture is open to the public.

For more information, call Amy Dietz at (814) 865-9545 or e-mail ard5@psu.edu.

Dynamical Systems event continues through Oct. 26

Penn State and the University of Maryland are jointly sponsoring a workshop on Dynamical Systems and Related Topics from today through Oct. 26.

The event, which is being hosted by the new Penn State Center for Dynamical Systems and the Department of Mathematics, is the eighth held at Penn State in this series of regular semiannual meetings.

The theory of dynamical systems is a major mathematical discipline closely intertwined with most of the main areas of mathematics. Its core is the study of the global orbit structure of maps and flows, which means understanding how physical systems evolve in time. The origins of the subject are in celestial mechanics — trying to understand the motion and stability of our planetary system. Its concepts, methods and paradigms greatly stimulate research in many sciences and

have given rise to the vast new area of applied dynamics, also called nonlinear science or chaos theory.

One of the highlights of the meeting will be a ceremony at 4:45 p.m. Friday, Oct. 24, to mark the inauguration of the Penn State Center for Dynamical Systems, which includes a faculty whose expertise in dynamical systems has been described as among the best in the world. The director of the new center is Anatole Katok, Raymond N. Shibley professor of mathematics. More than 100 mathematicians from around the world are expected to attend the event, which is open to members of the Penn State community.

For more information about the workshop, contact Rosemary Manning at (814) 865-7527 or dswk@math.psu.edu, or see the workshop's Web page at <http://www.math.psu.edu/weiss/us/97ann.html>.

Lunch series aimed at professionals

Penn State Shenango's Office of Outreach and Academic Programs will present a free Brown-Bag Lunch Series for Professionals this fall.

"Sharpen Your Image" will be held on Wednesday, Nov. 5, from noon-1:30 p.m., in Sharon Hall, room 215. This mini-workshop is designed to help professionals with the skills they need for a more polished public performance.

"Human Resource Issues for Employers" will be held on Wednesday, Dec. 3, from noon-1:30 p.m., in

Sharon Hall, room 215. During this workshop, participants will learn what an employer needs to know about the laws and conditions affecting employment practices and the workplace. The legal ramifications regarding hiring, firing, promoting and other employment issues also will be presented.

Participants may bring their lunch. Pre-registration is required. For more information or to register, please call (412) 983-2832.

Computer Vision and Image Analysis lectures Saturday

The Center for Multivariate Analysis of the Department of Statistics is sponsoring a series of lectures on "Computer Vision and Image Analysis" on Saturday, Oct. 25, in 201 Thomas Building on the University Park campus.

David Mumford, president of the International Mathematical Union, Higgins professor of mathematics at Harvard University, and a Parachuri K. Krishna visiting scholar at Penn State, will present a lecture on "What Makes Images Special from a Statistical Viewpoint" at 10 a.m.

Ulf Grenander, the L. Helbert Ballou university professor in the Division of Applied Mathematics at Brown University, will present a lecture at 11 a.m. titled "Inference and Geometry," and a lecture at 2:45 p.m. titled "Computational Anatomy."

Rangachar Kasturi, professor of computer science and engineering, will present a lecture at 3:30 p.m. titled "Research on Computer Vision and Image Analysis at Penn State: an Overview."

The meeting also includes a luncheon and discussion periods. Attendees must register in advance and must pay a registration fee. For more information and to register, call the Department of Statistics at (814) 865-1348.

AIDS activist to speak at Hazleton Oct. 27

Sean Sasser, an AIDS activist and trainer and former cast member of MTV's *The Real World III*, will give a lecture at Penn State Hazleton at 8 p.m. Monday, Oct. 27, in the campus physical education building. The event is free to the public.

An African American gay man, the 29-year-old Sasser has lived with HIV for nine years, and has been educating young people about the disease. His talks focus on AIDS/HIV awareness, identity, sexuality and responsibility. Each lecture ends with a question-and-answer session.

Sasser is the former public policy coordinator for the San Francisco-based Health Initiatives for Youth, where he trained HIV-positive and affected young people to be advocates for themselves and others. These individuals then became part of a team that lobbied local, state and national legislative policy decision-makers.

Currently, Sasser is the Atlanta Media Resource Center manager of the Gay Lesbian Alliance Against Defamation (GLAAD), the only national multimedia watchdog organization that promotes fair, accurate and inclusive representation of individuals and events in all media as a means of combating homophobia and discrimination based on sexual orientation or identity.

Talk's focus is gender stereotypes in medical language

Emily Martin, professor of anthropology at Princeton University, will give a talk, "Women in the Flexible Body: Cultures of Health in the Late 20th Century U.S.," at 4 p.m. Tuesday, Oct. 28, in Room 305 HUB, on the University Park campus.

Martin, whose research focuses on how gender stereotypes have shaped medical language and how they circulate and are contested by women in different age groups and communities, earned her B.A. degree from the University of Michigan (1966) and her Ph.D. in anthropology from Cornell University (1971). Her work on ideology and power in Chinese society was published in *The Cult of the Dead in a Chinese Village* (Stanford University Press, 1972), *Chinese Ritual and Politics* (Cambridge University Press, 1981), and with Hill Gates, *The Anthropology of Taiwanese Society* (Stanford University Press, 1981).

Beginning with *The Woman in the Body: A Cultural Analysis of Reproduction* (Beacon Press, 1987), which won the Eileen Basker Memorial Prize of the Society for Medical Anthropology, she started to work on the anthropology of science and reproduction in the U.S.

The next phase of her research focused on the interplay between scientific and popular conceptions of the immune system.

Australian architecture to be discussed Oct. 28

Ann Quinlan from the University of New South Wales, Australia, will discuss "Idioms of Australian Architecture" at 11:15 a.m. Tuesday, Oct. 28, in 208 Engineering Unit E on the University Park campus.

Quinlan lectures in the School of Architecture, faculty of the Built Environment, at the University of New South Wales, Sydney. An associate of the Royal Australian Institute of Architects, she continues to be active in private architectural practice. She is involved in community planning and in bringing environmental appreciation to children. Quinlan's teaching, research and outreach interests are reflected in her seminar, which incorporates audio-visual materials that focus on Sydney's historical architectural legacy as well as contemporary creativity.

The lecture, which is free to the public, is co-sponsored by the Australia-New Zealand Studies Center and the Department of Architecture. For more information, call Patricia Corbett at (814) 863-1603 or e-mail pac@psu.edu.

Get the facts on degree audits Oct. 30

"Degree Audit — Let's Discuss It" will be the topic for the next Division of Undergraduate Studies Brown-Bag lunch, noon to 1 p.m. Thursday, Oct. 30, in 305 HUB on the University Park campus. Anne Kepler, Shelle Dersheim and Julie Gibboney, all from the Registrar's office, will provide information and answer questions.

All faculty and staff interested in undergraduate advising may attend. For more information, call Laura Brown, 205 Grange Building, at (814) 865-7576, or e-mail lsb7@psu.edu.

More Lectures

White House Press Corps journalist to speak at Erie

Helen Thomas, dean of the White House Press Corps, will present "Power and the Press" at 7:30 p.m. Wednesday, Oct. 29, at Penn State Erie, Behrend College. Her lecture, which is free to the public, will take place in the Reed Union Building Commons.

Thomas has been part of the Washington Press Corps since 1943, when she joined United Press International. For 12 years she wrote radio news for UPI, eventually gaining responsibility for covering the FBI, the Department of Health, Education and Welfare, and Capitol Hill.

In November 1960 Thomas began covering President-elect John F. Kennedy, following him to the White House in 1961 as a member of the UPI team. It was during this first White House assignment that Thomas began closing presidential press conferences

with "Thank you, Mr. President," a custom that has continued.

Thomas was the only print journalist traveling with President Nixon to China during his January 1972 visit that opened diplomatic and trade relations with that country. She has the distinction of having traveled around the world several times with presidents Nixon, Ford, Carter, Reagan, Bush and Clinton to cover economic summit meetings.

Thomas was raised in Detroit and graduated from Wayne State University. She worked as a copy girl for the now defunct *Washington Daily News* after her graduation.

Thomas' presentation continues the 1997-98 Penn State-Behrend Speaker Series. Her lecture also will be broadcast live by the college's radio station, AM 1450/WPSE. For more information, call (814) 898-6171.

Kinesiology colloquium to cover a variety of topics

The following seminars are being offered through the Department of Kinesiology Colloquium day series:

■ Oct. 23: R.S. Kretschmar, professor of exercise and sport science, on "The Function and Power of Sports' Regulatory Rules."

■ Oct. 30: Mary Miles, postdoctoral fellow, Department of Biochemistry and Molecular Biology, on "Exercise and the Immune System: Responses to Acute Resistance Exercise."

■ Nov. 6: Robert Sprague, professor of kinesiology, University of Illinois at Urbana-Champaign, on "Science and Ethics."

■ Nov. 13: Shannon Mihalko, assistant professor of kinesiology, on

"Falling Among Older Adults: Physical, Behavioral and Psychological Influences."

■ Nov. 20: Mark Grabiner, Cleveland Clinic Foundation, on "Falls in Older Adults: Biomechanics, Physiology and Karma."

■ Dec. 4: John L. Beard, professor of nutrition, on "Influence of Exercise on Iron Kinetics."

■ Dec. 11: John Kirwan, assistant professor of physiology and kinesiology, on "Effects of Carbohydrate Ingestion on Exercise Performance and Recovery From Exercise."

All seminars will be held at 4:15 p.m. in 108 Chambers Building on the University Park campus.

numerous restoration and adaptive reuse projects, including work on New York's Grand Central Terminal and the Ellis Island National Monument.

Belle's lecture, "What's New in Old New York: Reinventing the City for the 21st Century," will discuss redundant use of existing buildings in the 21st century.

Sponsored by the Department of Architecture, the Thursday Night Madness series is a weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews to students, faculty, staff and interested lay persons.

The lecture is free to the public.

Learn what's new in Old New York at Thursday Night Madness lecture

John Belle, a founding partner in the New York City architectural firm Beyer, Blinder, Bell, will be the featured speaker in the Department of Architecture's Thursday Night Madness series at 8 p.m. Thursday, Oct. 30, in 112 Walker Building on the University Park campus.

Beyer, Blinder, Belle was named the American Institute of Architects' Firm of the Year for 1995. Belle has lectured extensively on urban design and historic preservation at colleges and universities around the world.

In 1991, Belle won the Hopkins Medal, and in 1997 he received the Metropolitan Historic Structure Association's Apple Award. He has overseen

Risk assessment lecture is Oct. 29

Katherine H. Baker of the Penn State Harrisburg environmental engineering program will discuss "Environmental Risk Assessment" during a noon presentation Oct. 29 at the Penn State Downtown Center in Harrisburg.

Risk assessment has emerged as the dominant tool for establishing policy and regulations governing environmental programs in the U.S. The recent reorganization of the Environmental Protection Agency into units reflecting the stages in risk assessment reflects the importance given this process by the environmental community.

Proponents of risk assessment view it as a method for obtaining an objective evaluation of environmental risks and options. Opponents contend it is simply a method which generates meaningless numbers that allow polluters to continue to destroy the environment.

In the seminar, the basic principles of risk assessment will be reviewed, as well as how they are applied to environmental decision making. The relationship between risk assessment, risk management and risk communication will be explored in the context of remediation of hazardous waste contaminated sites.

Learn about women in Australian politics on Oct. 30

Ann Millar, from the Department of the Senate, Australian Parliament, will discuss "Women in Australian Politics" at 4 p.m. Thursday, Oct. 30, in 124 Sparks Building on the University Park campus.

A Parliamentary officer in the Australian Senate, academically trained at the University of Western Australia as an Australian historian, Millar combines the roles of inside political viewer, analyst and biographer. Her keen interest in women in politics led to her book *Women in the Federal Parliament*, and her contribution to *A Women's Constitution? Gender and History in the Australian Commonwealth*. She is currently responsible for the preparation of a massive reference work, *The Bibliographic Dictionary of the Australian Senate*, and continues her involvement in the production of public educational exhibits at Parliament House in Canberra. She is visiting selected American universities as a specially sponsored Australian Embassy speaker.

The lecture, which is open to the public, is co-sponsored by the Australian-New Zealand Studies Center and the Department of Women's Studies. For more information, call Patricia Corbett at (814) 863-1603 or e-mail pac9@psu.edu.

Go "Beyond Planet X" on Oct. 30

The Open House Nights in Astronomy at Penn State Erie, Behrend College, continue Thursday, Oct. 30, when Keith S. Noll presents "Beyond Planet X" at 7:30 p.m. in the Reed Union Building Lecture Hall. Noll, an astronomer at the Space Telescope Science Institute, will discuss a new class of objects dwelling at the edge of our solar system. His presentation is free to the public.

At the Space Telescope Science Institute in Baltimore, Noll contributes to the operation of the Hubble Space Telescope. His research focuses not only on planets and satellites, but also on the newly emerging study of planets and brown dwarfs outside our solar system.

In 1992, the discovery of a faint object beyond the orbit of Neptune marked the first of a new class of objects found at the edge of our solar system. Since then, more than 40 similar objects, known collectively as the Kuiper Belt, have been found. At the same time, new discoveries made possible with the Hubble Space Telescope have confirmed the long-suspected presence of certain materials found around young stars. According to Noll, these planetary "nurseries" bear a striking resemblance to the predicted structure of our solar system's Kuiper Belt. Based on this information, our solar system appears to be a typical outcome of the process of star formation.

For more information about the series, call (814) 898-6105.

Women graduate students have chance to network

Women graduate students in the sciences and engineering will meet from 9 a.m. to 1:30 p.m. Sunday, Nov. 2, for an annual networking event, VOICES, sponsored by the WISE Institute and funded by the Pennsylvania State Grant Consortium.

Highlighted this year will be a new interactive theatre production aimed at sparking discussion of classroom climate issues experienced by women in technical fields. Under the direction of Barry Kur, the University Park Ensemble will present two dramas: "Everyone Knows That Girls Can't Do Physics" and "Just Tough It Out."

Workshop titles this year include: "What You Need to Compete for Industry Jobs," "How to Ace an Interview Without Actually Bragging," "Preparing Yourself for Multinational Corporations and the Global Economy," "Tenure and Promotion: What You Need to Know Beforehand," "When Dreams Don't Work Out — How to Reinvent Your Career," "Mentoring and E-mentoring: How to Be One or How to Find One" and "Students who are Parents, Can New Policies Help?" Also rescheduled this year is the workshop for international students, "Culture Crossing," led by Judi Wakhungu, WISE Institute director.

Cost for the event is \$4. Pre-registration is required. For registration information, call Karen Wynn, WISE Institute associate director, at (814) 863-3608 or e-mail kw8@psu.edu.

Faculty/Staff Alerts

United Way event

A lunch and auction organized by the Student Affairs United Way Committee is scheduled for Friday, Oct. 24, in the Paul Robeson Cultural Center on the University Park campus. Lunch will begin at 11:45 a.m. until 1 p.m. The auction will run at 12:15 p.m.

More than 70 items have been donated for this auction, including the newly released book *About Joe Paterno* by George Paterno, a guided tour of Accu-Weather, ceramics, framed photography, food certificates, Centre for Performing Arts Cool Heat tickets and more. All proceeds from the auction and the lunch (donated by Penn State Catering) will go to the United Way.

Science writers to meet

David Pacchioli, associate editor of *Research/Penn State* magazine, will present "On the Road with Dave" at a luncheon round table discussion hosted by the Penn State Chapter of the National Association of Science Writers at noon, Tuesday, Oct. 28, in room 201 Kern Building on the University Park campus.

He will discuss the trials, tribulations and adventures encountered in his recent travels to the wilds of South America and Texas to cover stories for both *Research/Penn State* and the *Penn State* magazine.

NASW lunchtime programs are open to anyone interested in science communication. For more information contact Andrea Messer via e-mail at aem1@psu.edu or at (814) 865-9481.

Reminder

The closing date for receipt of Evan Pugh Professorship nominating materials is Friday, Oct. 31. All nominations must be submitted in accordance with established guidelines and should be sent to the dean of the academic college in which the nominee is appointed. For current nomination guidelines, call (814) 865-9580, e-mail vx12@psu.edu or visit 304 Old Main, University Park.

New publication explores homestead exemption choice

On Tuesday, Nov. 4, Pennsylvania voters will decide whether a method of real property tax relief called homestead exemptions should be allowed in Pennsylvania.

To help Pennsylvanians make an informed choice at the polls, a new publication is available from the College of Agricultural Sciences explaining homestead exemptions and exploring viewpoints on both sides of the issue. *Understanding the Homestead Exemption Amendment: How Will You Vote?* is available free from Penn State Cooperative Extension offices in all 67 Pennsylvania counties, or by calling (814) 865-6713.

A homestead exemption allows certain properties, such as homes, to receive preferential treatment under the real property tax, reducing the owner's taxes.

Thanksgiving calendar change

To help students travel safely and in timely fashion over this year's Thanksgiving holiday — without

skipping classes — Penn State has changed its official University Park calendar for November 1997.

Under the change, classes at University Park will end at 12:05 p.m. Wednesday, Nov. 26 — the normal ending time of fourth-period classes. Other locations may also adopt the change, as appropriate. All morning classes on the Wednesday before Thanksgiving will remain scheduled as before. Instructors whose classes would have met after 12:05 p.m. Wednesday are expected to provide opportunities to make up the class time missed because of the early closing. If needed, the Registrar's Office will work with faculty and departments on rescheduling.

The University will monitor how the schedule change works this year and the results of its assessment will be used to guide Thanksgiving holiday scheduling in future years.

Holiday schedule

University offices and operations, except for essential services and operations, will close at the normal end-of-business times on Tuesday, Dec. 23, and will resume at normal starting times on Monday, Jan. 5.

The official University holidays are Wednesday, Dec. 24, through Friday, Dec. 26; Monday, Dec. 29, through Wednesday, Dec. 31; and Thursday, Jan. 1. Friday, Jan. 2, is not a University holiday. Employees who are off that day will charge vacation or personal holiday, if Friday is a normally scheduled work day. Anyone who chooses to work on Friday will be permitted to do so, however, temperature conditions in the work area may be less than ideal.

This special holiday schedule is in keeping with the overwhelming preference of faculty and staff to have an uninterrupted holiday period whenever possible, and also permits the University to realize the maximum in energy savings. It will not, however, increase the number of holidays granted.

In keeping with this schedule, monthly paychecks will be released on Tuesday, Dec. 23, but will be dated Dec. 31 and will not be negotiable before then. Biweekly paychecks also will be released on Tuesday, Dec. 23, but will be dated Friday, Jan. 2, and will not be negotiable before then. Automatic deposits will not be made early.

This schedule and payroll information is not applicable for the College of Medicine at The Milton S. Eshelman Medical Center.

Questions regarding the above holiday information should be directed to the appropriate college or department human resources representative, or director of business services at a facility away from University Park.

Scientific link

On Monday, Oct. 27, Penn State will make its debut on the Science Coalition Web site with pages featuring work by the University's Life Sciences Consortium.

The Science Coalition Web site, launched Oct. 7, includes a chat session with University scientists and astronauts who played a major role in the success of the current Mars Pathfinder Mission. The chat ses-

sion can be found at <http://www.sciencecoalition.org>. The University's pages will appear through Nov. 3.

Non-profit postal markings

Mail pieces with the following postal markings printed in the upper right hand corner must be processed by Penn State Mailing Service, not deposited into local Postal Service blue mail boxes. These postal markings may be used only when following a series of strictly enforced postal regulations and guidelines. If you have any questions on the use of these markings, please call Gregg Ascuitto, manager of Mailing Services, at (814) 865-7544.

NON-PROFIT ORG
U.S. POSTAGE
PAID
STATE COLLEGE PA
PERMIT #1

BULK RATE
U.S. POSTAGE
PAID
STATE COLLEGE PA
PERMIT #1

FIRST CLASS
U.S. POSTAGE PAID
STATE COLLEGE PA
PERMIT #1

PRESORTED
FIRST CLASS
PAID
STATE COLLEGE PA
PERMIT #501

First-class mixed weight letter mail

To ensure proper postage is applied to your first-class one- and two-ounce letter mail, please bundle these pieces separately. An easy way to tell the difference is by the thickness of the envelope or the number of inserts. More than five pieces of standard 20-pound paper in an envelope probably weigh more than one ounce.

Affiliate members sought

Anyone interested in becoming involved with the Commission for Women can do so by becoming an affiliate member. Although affiliate members cannot vote on official matters relating to the commission, their knowledge and input is important to the commission.

"We would like to tap into the richness and wealth of experience that is beyond the commission and we encourage everyone to become actively involved," Tineke Cunningham, chair of the Commission for Women, said.

To become an affiliate member, an individual should fill out a membership application, which can be obtained from the commission office in 311 Grange Building on the University Park campus, or by e-mailing Tracy Leitzel at TLL8@psu.edu.

Two DuBois associate degree programs are re-accredited

Two Penn State DuBois associate degree programs — electrical engineering technology and mechanical engineering technology — were recently re-accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology. Accreditation indicates that the pro-

grams have met the rigorous standards for quality set by ABET, the national accrediting body for the fields of engineering and technology education.

Through a demanding curriculum that combines classroom learning with laboratory experience, both programs help prepare graduates for positions as

highly skilled technicians in various aspects of business and industry. Graduates of either program can elect to enter the workforce directly or choose to pursue additional education in specialized training programs, complementary associate degree programs, or at the baccalaureate level.



Worth the wait

The line stretched out the door and down the street, but that didn't seem to matter to those waiting patiently for their turn to purchase an ice cream cone at the University Creamery on the University Park campus recently. On this particular day the weather was almost summertime, but it's not unusual to see people enjoying a Creamery cone in the middle of winter, as well.

Photo: Greg Grieco

Nominations sought for mentoring award

Nominations are being sought for the Howard B. Palmer Faculty Mentoring Award, which honors and recognizes outstanding achievement by a faculty member who effectively guides and nurtures the collegial and professional development of junior faculty.

Nominations may be submitted by faculty, staff and administrators and must be received by Jan. 16, 1998. A committee appointed by the dean of the Graduate School, with the assistance of the senior faculty mentor in the Office for Minority Faculty Development, will select the recipient to receive the award of \$1,000 and recognition at the Faculty/Staff Awards Program on March 29, 1998.

To be eligible for nominations, a faculty member must meet the following criteria:

— Be a full-time University faculty member with five or more

years of active service at Penn State.

— Exhibit exemplary achievement in the effective mentoring of junior faculty members.

Evidence of these criteria should be presented through a completed nomination form and statement of support that clearly identifies the outstanding qualities of the nominee. The statement should not exceed two single-spaced pages. Supporting materials may include a biographical sketch or curriculum vitae, no more than three letters of support, and other information pertinent to the nomination.

Five copies of the nomination packet should be submitted to Blannie E. Bowen, 308 Kern Graduate Building, University Park, Pa. 16803. Nomination forms are available upon request from Laura Trincia at (814) 863-1663.

Courses

Health Matters Programs

To register for the following program offerings at University Park, please contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ **Enlightening Lunch** — Ask the Nutritionist Do food labels or the trans-fat acid debate baffle you? Come to this informal session to get your nutrition questions answered by a registered dietitian. Meets Friday, Oct. 31, from noon-1 p.m. in 110 Henderson Building (The Living Center). Cost: None.

■ **Tai Chi**
Tai Chi has been shown to improve or maintain strength, flexibility and balance, while promoting relaxation and a sense of well-being. Meets Mondays and Wednesdays, Nov. 3-Dec. 17, from noon-1 p.m. in the Frizzell Room of the Eisenhower Chapel. Cost: \$70.

■ **Yoga Series: Now Offering Beginning and Intermediate/Advanced Sections**
Two beginner sections are offered at two locations, and one intermediate/advanced session is offered. Cost is \$35 per session, reimbursable to HMO participants taking each section for the first time.

Section 4: Beginner — Tuesdays, Nov. 4-Dec. 16; 11 a.m. to noon, Paul Robeson Cultural Center Auditorium

Section 5: Intermediate/Advanced — Tuesdays, Nov. 4-Dec. 16; noon to 1 p.m., Paul Robeson Cultural Center Auditorium

Section 6: Beginner: Wednesdays, Nov. 5-Dec. 17; noon to 1 p.m., 106 Fisher Hall (East Halls).

■ **Complementary Medicine Series**
Also known as "alternative" or "integrative" medicine, this series is designed to provide an introduction to the various complementary medicine practices while assisting participants on how to become wise health-care consumers of these services. Cost for four-week series is \$15; cost for an individual session is \$5. Meets Mondays, Nov. 6-26, from noon to

1 p.m., in 301-A Agricultural Administration Building.

Nov. 3: Massage Therapy
Nov. 10: Energy Healing
Nov. 17: Acupuncture
Nov. 24: Reflexology

■ **Weight Watchers AT WORK**
Participants may register at any time during a series. Section 3 meets Tuesdays, Nov. 4-Dec. 16, from noon to 1 p.m., in 520 Rider Building; Section 4 meets Wednesdays, Nov. 5-Dec. 17, noon to 1 p.m., in the Paul Robeson Cultural Center auditorium. Cost for the seven-week program is \$80.50 (lifetime members, \$73.50). Members of the HealthAmerica HMO may be reimbursed for the cost of this program.

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs, complete the registration form found in the back of the fall HRDC catalog, and fax to (814) 865-3522.

■ **Marketing Communications for Beginners**, COM 038 — From 1:30-4:30 p.m., Monday, Nov. 3, 319 Rider Building. Cost: \$44.

■ **Giving and Receiving Negative Feedback**, COM 003 — Develop practical techniques for giving negative feedback openly and with sensitivity and for receiving negative feedback constructively without defensiveness; Nov. 4, 319 Rider Building, 8:15-11:45 a.m. Cost: \$59.

■ **Coping with Conflict in the Workplace**, COM 012 — Wednesday, Nov. 5, 319 Rider Building, 8:15-11:45 a.m. Cost: \$59.

■ **Negaholics: How to Handle Negativity in the Workplace**, COM 037 — Wednesday, Nov. 5, 319 Rider Building, 1:30-4:30 p.m. Meets for two sessions. Cost: \$89.

■ **Managing Interruptions**, PER 036 — Manage the visitors, distractions, phone calls and crises that can disrupt any well-organized time management system. Nov. 12, 11 a.m. to 1 p.m., Paul Robeson Cultural Center Conference Room. Cost: \$29. (Part 3 of the four-part Getting Your Act Together Series starting on October 22.)

■ **Personal Goal Setting and Achievement**, PER 013 — Learn to create your future according to your personal wants and needs. Nov. 12, 8:15 a.m. to 4:15 p.m., 118 Ag Science Building. Cost: \$99.

■ **Critical Thinking Skills for the Workplace**, PER 037 — Explore the importance of critical thinking and refine component skills that contribute to success in the workplace. Nov. 14, 8 a.m. to noon, 319 Rider Building. Cost: \$59.

Career navigation

"Navigating Your Career in the Rapidly Changing World of Work" is a one-day career development conference designed to provide information and motivation for staff members. The Nov. 10 conference, aimed at empowering staff to take more personal responsibility for their career, is tailored to the most pressing issues facing University staff.

From 9 a.m. to 4 p.m. at The Tittany Lion Inn on the University Park campus, topics such as "Skills and Work Habits for the Future: What Employers Are Really Looking For," "How to Get off the Career Plateau," and "Career Development for Women" will be discussed.

Edwin Herr, associate dean for graduate programs, research and technology, and an internationally recognized authority on career development, will present the luncheon address, "Shifting Perspectives on Career Success at the Edge of the 21st Century."

This one-day conference is \$89. To request a conference schedule and registration form, call the Human Resource Development Center at (814) 865-3216.

ARTS & ENTERTAINMENT

AT PENN STATE



In concert

Essence of Joy will give its annual fall concert at University Park on Sunday, Oct. 26.

"A Servant of Two Masters"

The University Resident Theatre Company continues its 1997-98 season with Carlo Goldoni's comedy "A Servant of Two Masters," directed by Mark Olsen, associate professor of theatre arts. The play opens Oct. 24 and runs through Nov. 1 at the Pavilion Theatre on the University Park campus.

Performances will begin at 8 p.m., with a matinee performance at 2 p.m. Saturday, Nov. 1. For ticket information call the Arts Ticket Center at (814) 863-0255.

Piano recital

Pianist Cecilia Dunoyer will perform a free solo recital on Saturday, Oct. 25, at 8 p.m. in the School of Music Recital Hall on the University Park campus.

The program will present works by French and Russian composers, including Gabriel Fauré, Claude Debussy and Modest Mussorgsky.

Moscow Conservatory

The Moscow Conservatory will perform at 8 p.m. Saturday, Oct. 25, in Eisenhower Auditorium on the University Park campus. This event is presented by the Center for the Performing Arts.

Founded in 1866, the Moscow Conservatory is the Russian Federation's most prestigious training institution for musical performance and composition.

General ticket prices are \$21.50

and \$17.50. Student ticket prices are \$17.50 and \$13.50. Tickets for children 12 and younger are \$11.25 and \$9.25.

For tickets or more information, contact the Arts Ticket Center at (814) 863-0255 or (800) 278-7849.

Recital rescheduled

The free piano recital by Marylène Dosse, professor of music, originally scheduled for Oct. 19, was postponed. The recital is now scheduled for 3 p.m. Sunday, Oct. 26, in 122 Music Building II on the University Park campus.

Essence of Joy

Essence of Joy, directed by Anthony Leach, assistant professor of music, will present its annual fall concert, "Just For Today," at 4 p.m. Sunday, Oct. 26, in the School of Music Recital Hall on the University Park campus.

Featured singers include sopranos Oriyama Linebarger, Kristin Lunetta, Andrea Bidelsbach and Kelly Kohlhepp; mezzo-soprano Lachele Jack; altos Karen Jones and Jayme Kantor; tenor Jason-Lamar Yates; baritones Brian Schreiner, Ivan Irad Hodge and Christopher Yorks; and bass Carlton Curenont. Student conductors are Todd Fennell and Ryan Booz.

Tickets are \$2 for students and \$4 for non-students.

"Social Security"

Penn State Mont Alto invites the public to enjoy the hit Broadway musical "Social Security," performed by the



ALEKSANDER TROSTYANSKY is a violinist with the Moscow Conservatory, which will perform at University Park on Oct. 25.

Blue Ridge Theatre Guild at 7:30 p.m. Tuesday, Oct. 28, in the Multipurpose Room, Multipurpose Activities Center. This comedy comes from the writers of *Blazing Saddles* and *Oh God, You Devil*. The Blue Ridge Theatre Guild was founded 17 years ago as a community theatre group and has since expanded to a touring company.

All Penn State Mont Alto Cultural Events are free to the public. For information on this and any other event in the series, call (717) 749-6156.

Bach's Lunch

The Penn State Saxophone Ensemble, directed by Dan Yoder, professor of music, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Oct. 30, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The Saxophone Ensemble consists of Yoder and saxophone students Sue Kearney, Rich Nasto, Kyle Glaser, Matt Donovan, Bill Ferguson, Bonnie McManaman and Chris Bygott.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Percussion ensembles

The Penn State Percussion Ensembles I and II, under the direction of Dan C. Armstrong, professor of music, and graduate teaching assistant Kate Bulnicki, respectively, will perform their annual fall concert at 8 p.m. Thursday, Oct. 30, in the School of Music Recital Hall on the University Park campus.

Keeping with their tradition of performing in the Halloween spirit, the ensembles will feature a performance of "Brazilian Myths" by Ney Rosauro. This work depicts five ghosts of the Brazilian rain forest.

The audience may attend in costume. The concert is free to the public.

BRYCE JORDAN CENTER

311 coming

The funk, rap, reggae, rock band 311, with special guests Sugar Ray and Incubus, will appear at 7:30 p.m. Thursday, Nov. 20, at The Bryce Jordan Center. Tickets are \$22.50 for reserved seating.

The group 311 emerged seven years ago as an explosive and experimental up-and-coming group from Omaha, Neb. The group's musical influences of Nat King Cole, Bob Marley, the Clash and the Beastie Boys provided a melting pot of sound that has caught on nationwide.

The name 311 comes from an Omaha police citation for indecent exposure. Now the band states that the name simply means five friends from Omaha making music that stands for peace and unity.

Young Messiah Tour

The Young Messiah Tour will be on stage at 8 p.m. Saturday, Dec. 13, at The Bryce Jordan Center. Tickets are \$23.50, \$17.50 and \$12.50 for reserved seating. Children (12 and under) will be admitted for half price. Group discounts also are available. Call (814) 863-1812 for more information.

For the past six years, The Young Messiah Tour has toured the country, spreading the meaning of Christmas during the holiday season. Featured artists include Carman, Margaret Becker, Newsong, Avalon, Donnie McClurkin, Russ Taff, Greg Long, Shelia Walsh, Crystal Lewis and a special program for children, Bob and Larry of Veggie Tales. The artists will present their own favorite Christmas songs. A highlight of the evening will be the performance of a new version of Handel's Messiah. Based upon Handel's Messiah written in the 16th century, The Young Messiah Tour updates both the music and the presentation, providing an interpretation complemented with a full orchestra and a 200-voice choir.

Tickets for Jordan Center events can be purchased at the Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth College and campus ticket outlets, or by calling (814) 865-5555 or (800) 863-3336.

For more information on Jordan Center events, check the Web at <http://www.bjc.psu.edu>.



When asked why I support the United Way, I point out the major role that the United Way—and the social service organizations it supports—has played in making our communities better places in which to live and work. United Way funding allows member agencies to concentrate on what they do best—providing needed services that improve the quality of life for our families, friends and neighbors.

I'm truly gratified by the enthusiastic contributions made to the United Way of Penn State locations throughout the Commonwealth by increasing numbers of University faculty and staff members who volun-

teer their time and give of their dollars. I am confident that this support will continue to grow.

We, as citizens of the community, have a responsibility to assist those in need. Penn State recognizes the United Way as the organization best able to provide this help, and it is the only charitable organization for which payroll deductions are authorized.

I urge you to join with me and your co-workers in helping to make our communities even better places. As the theme of our United Way fundraising event at University Park suggests, we can "make it happen."

United is the Way



Rachel Hall

Skills made a difference in Rachel's life

Skills of Central Pennsylvania, Inc., has made a difference in the life of 20-year Rachel Hall of Snow Shoe. And, what's more, the training agency has helped Rachel make a difference in her workplace, University Addressing and Mailing Services.

"She adds a new dimension to our operation," said Rachel's supervisor, Mailing Services Manager Gregg Ascuitto. Not only does her skill as a mail clerk make for more manpower flexibility in an operation that processes 12 million pieces of mail per year, he said, but the presence of this 1996 Bald Eagle Area High School grad adds a special chemistry to the 45-person workforce of which she is a part.

"It's personality," Ascuitto affirmed. "Rachel's got a great personality."

For Hall, who holds a part-time position labeling mail, running sealing machinery, and other tasks, the help she received from Skills has allowed her to do something fulfilling.

"I love what I do," she said. "It's easy and fun."

It's also enabled her to be with coworkers whose company she enjoys immensely and to expand her horizons.

"I always like to try something different and not be afraid to do it," said Hall, whose goal is to hold a full-time job. "Do whatever they ask of you. If you do, there's a chance you'll be asked to do it again."

Skills, she said, has made a major difference in her life.

Rachel Hall comes from a family of five. Her mother, Mary Jane, works in Penn State's Office of Human Resources and her father, Randall, in Housing and Food Services. Brother Travis is a freshman at Rachel's alma mater, Bald Eagle Area High School, while her sister, Colleen, is a senior majoring in physical therapy at Ithaca College.

continued



United Way

Loaned execs: United Way's not so secret weapon

Some might think of them as the calvary coming to the rescue, but maybe the best way to think about United Way Loaned Executives is as a campaign's not-so-secret weapon.

This year, 18 volunteer professionals from Penn State and local businesses are helping the Centre County United Way Campaign become a success. It is the largest contingent of loaned execs ever to lend a hand in Centre County and the most ever to come from the University (nine total, six from The Smeal College of Business Administration) in the eight years the program has been in existence here.

Loaned execs undergo a week of intense training in all aspects of the United Way Campaign. They learn in depth what it takes to raise a dollar, how local aid groups qualify for United Way support, and exactly how much good agencies do for the Centre Countians they serve. Then they take that knowledge, plus their professional skills as managers out in the field to work with area and company campaigners on the front line.

"The Loaned Executive Program gives us men and women who can extend the capabilities of our staff to get the word out in an effective way," said Russ Brooks, United Way loaned executive chair.

"The greatest value of loaned execs is in the workplace, where they can help convey the importance of making a gift to the United Way, either through a one-time contribution or through a payroll deduction," he went on. "They are trained to answer the questions people ask and to act as a sounding board for the United Way."

In a corporate setting, loaned execs join forces with the company campaign chair to develop effective strategies to make sure every employee has a chance to hear the United Way story and make a contribution. The exec may help put on an informational presentation for workers—some locally have met overnight shifts at area manufacturers—with help from an aid agency representative. Or, the volunteer may merely be asked to run supplies of flyers and donor cards out to a work site. The opportunities to help vary from area to area, and organization to organization, but the results are always the same—more help for Centre County neighbors in need.

Loaned Executive Pat Knobloch, training manager at Murata Electronics, said he always was skeptical of "big corporations, big government, and big charities," until he got to know the United Way and the work it has done here at home. That was three campaigns ago.

"You know it's a good thing to give back to your community," Knobloch said. "Most of us have more than we need, but there are people out there who need more than they have."

"They don't want a hand out, they want a hand up. It's our responsibility to give them a hand up."

Roger Dagen, administrative director of The Smeal College MBA Program, is in the midst of his first campaign as a loaned exec.

"Volunteering as a loaned executive has been a fulfilling experience, allowing me to give back to my community," he said. "I believe the time and energy I have invested in this program have helped stimulate and focus the philanthropic efforts of local employers and their employees, all



Loaned Exec: Barbara Jackson Hall, assistant to the dean for alumni relations in The Smeal College of Business Administration, makes a presentation on the Centre County United Way and the services it provides to members of the State College Police Department. Photo: Greg Grieco

for the benefit of the United Way Campaign and ultimately for the benefit of our Centre County friends and neighbors who are served by the 35 United Way agencies."

First-time Loaned Exec Shirley Smith Hendrick, Smeal College associate dean for continuing and distance education, observed, "I was greatly impressed with the information we learned during the training."

"It was important for me to know that the funds raised in Centre County are used in Centre County; that a board of Centre County residents decides how those funds are distributed, and that the Centre County United Way office is one of the most efficient units in the state."

"When we make a pledge here," she said, "we can be sure that the money is efficiently and effectively reaching the people in Centre County who need it."

Loaned executives for the 1997 United Campaign from the University, in addition to Dagen and Hendrick, are: Charles C. DuBois, coordinator of college relations, The Smeal College; J. Thomas Eakin, assistant vice president for student affairs.

Barbara Jackson Hall, assistant to the dean for alumni relations, The Smeal College; Raymond Holsing, human affairs officer, Office of Human Resources.

Jean M. Hughes, financial officer, The Smeal College; Gail Hurley, director, Office of Residence Life; Jim Menoher, assistant director of programming, Penn State Executive Programs, The Smeal College.

Loaned executives from area organizations and firms, in addition to Knobloch, are: D. Glenn Casciola, director of social services/utilization management, Centre Community Hospital; Jackie Gaines, Merrill Lynch; Amy Malone, operations manager, Sam's Club; Wendy Myers, Mellon Bank.

Deborah L. Oakes, special publications editor, Centre Daily Times; Debra M. Seaward, employee benefit officer/assistant trust officer, Omega Bank; James P. Simon Jr., assistant community officer manager, PNC Bank.

Andrea Stanton, materials manager, Philipsburg Area Hospital, and John Warburton, HRB Systems.

Here's how you can help:

If everyone who works in Centre County contributed just one hour's pay per month, the benefits would be felt throughout the community.

\$2 PER WEEK

Provides three nights of shelter for an individual in crisis.

\$3 PER WEEK

Provides 15 hours of assistance on the Rape/Abuse Crisis Hotline.

\$5 PER WEEK

Provides a Big Brother or Sister for one year for a child at risk.

\$10 PER WEEK

Provides four days of food, shelter and clothing for a family of four who have lost everything in a fire.

\$20 PER WEEK

Provides one week of summer camp for 24 disabled children.

To Learn More Anyone who wants to know more about United Way can make a confidential phone call to the Centre County United Way office at 238-8283.

Continued from page 1

According to Mary Jane Hall, the fact that Rachel needed a little extra help became apparent when she was in kindergarten. Hall said her daughter had been two months premature, which may have affected her development. Rachel wasn't as quick to walk or talk as others. Today, she has difficulty organizing tasks.

After she graduated from high school and wanted to work, her family first sought help from the state Office of Vocational Rehabilitation, which referred them to Skills.

Founded in 1960, Skills of Centre County opened its doors to serve 12 local residents with special needs. With a budget of only \$1,200, the agency went about creating opportunities for these individuals and providing them continued support. The organization has grown to become Skills of Central Pennsylvania, under which a number of companies carry out pioneering efforts across the spectrum of community-based services.

Employment training help now is offered on a region-wide basis in central Pennsylvania, as are assisted-living facilities, therapy and mental health services, and Skills Industries, Inc., through which client/workers are assigned jobs contracted from local firms or tasks with Skills-associated businesses. Overall, recent figures show, 760 Skills staffers assisted a total of 1,330 people with disabilities.

Rachel Hall's first step was to meet with Skills personnel to assess her needs.

According to her job coach, Wendy Itinger, they talked over what kind of jobs Hall was interested in, what her experience was, and if there were any other concerns like transportation. Then, they explored the availability of jobs in the area and the mail clerk position at Penn State seemed to be an excellent fit. Next, Itinger helped familiarize Hall with all aspects of her job and sat in with her while she learned each aspect. As the procedures began to become second nature, Itinger left her more and more on her own. Now, Skills just checks in with Hall periodically to make sure everything is going well.

According to Itinger, while the caseload of the five Skills job coaches ebbs and flows, typically they work with a total of 30 to 40 individuals each month. The job coaching process usually takes about two months, with about two weeks of intensive interaction between the coach and the worker before they gain increasing job independence.

Working with Hall, said Itinger, was a "joy."

The feeling seemed reciprocal for Rachel, who also particularly appreciated the support she got transitioning into the world of work.

"If I had questions, they would answer them," Hall said. "They were there if I needed a helping hand."



MESSAGE FROM THE CAMPAIGN CHAIR

The theme of our campaign—United Is the Way—might be a bit understated. At Penn State, I believe, United Is Always the Way, because the campaign helps so many and works in so many long-lasting ways.

A United Way community is a strong community, built on an enduring tradition of caring and commitment. In Centre County, United Way benefits reach our neighbors everywhere, not just in Lewisburg or Philipsburg or Altoona, but in every part of the Centre Region, and across the Penn State campus from the Shields Building to the Water Tower, and from the Business Administration Building to the Well along College Avenue. Last year, the United Way helped over 100,000 people. My guess is that it is a rare townspeople, student, faculty or staff member who hasn't been touched in some positive way over the years by one of the 35 United Way agencies serving our area.

One fact people might know but never take to heart is that the United Way tradition also is a tradition of neighbors helping neighbors. Every dollar raised by your local volunteer—the person working at the cash desk in the Bouché Building or taking your ticket at the Bryce Jordan Center—is put to good use here. Your

friends and your co-workers on Centre County United Way committees help determine where the need is the greatest and make sure resources get there.

Our campus campaign is being led by a dedicated steering committee, members of the faculty and staff like you who have shipped lunches and worked late just to make time to make sure our campaign works. What's more, committee members showed the way for everyone at University Park, raising over \$4,000 as part of the Pacesetter Campaign in August. Other Penn State volunteers turned out in impressive numbers for the Day of Caring in September, making major impacts all across our country. Still others are bringing the campaign to your office door, seeing if you will join us. The example set by these friends and co-workers is a powerful one.

Take a few moments to consider a pledge—one hour's pay per month would help enormously—and join the United Way as a volunteer. The United Way really does work for Centre County and it does so because of caring, committed people.

United Is Always the Way.

J. D. Hommond
Dean, The Smell College of
Business Administration

United is the Way



Finishing Touch: Robie Brouse, MBA Chief Compliance Officer in The Smell College of Business Administration, puts the finishing touches on a bench at the Port Matilda Community Park during the fourth annual Day of Caring. Some 85 MBA students, faculty, and staff members turned out to help clean and fix up the flood-damaged park. Photo: Greg Grieco

United
is the Way

Penn State retirees' campaign unique, effective

Penn State and United Way officials may have been striking into untouched territory when they launched a retirees' campaign in 1991, but that initiative certainly has proven its worth as, last year, more than \$61,000 was raised to benefit Centre Countians in need.

The Penn State retirees' campaign, which involves solicitations to the nearly 4,000 former University employees living in the region, may be the only one of its kind among the schools of the Big Ten and a real rarity among institutions of higher learning. Moreover, according to Centre County United Way Executive Director Ellie Beaver, such campaigns are just recently being conducted among local firms.

The program was launched under the leadership of Dr. Leon R. Kneebone, professor emeritus of botany and plant pathology, and now is being chaired by Dr. Paul H. Rigby, professor emeritus of business administration and associate dean emeritus of The Smeal College of Business Administration.

Kneebone is an honored veteran of 42 United Way campaigns, and harkens back to 1956 and the days when there was no countywide UW effort, no payroll deduction plan, no computers, and postage was still three cents. To him extending the campaign to Penn State retirees was just another expression of the way neighborhood goodwill can help everyone from newborns to the elderly.

"It's been nothing but positive,"

said Kneebone. "It was the right thing to do."

He explained that Penn State retirees living in Centre County were originally canvassed under the special gifts division. However, it was decided six years ago that a separate campaign might be more efficient and make more sense, particularly as more and more former employees choose to remain in the area. Thought has been given to sending solicitations to all retirees, but at its heart the United Way is about neighbors helping neighbors and, therefore, former faculty and staff members are encouraged to give to their local campaigns wherever they are.

During the first year of the retirees' campaign, \$38,632 was raised since has been steady ever growth, as fund-raising strategies become more sophisticated. The goal for 1997 is \$63,000.

One strategy, begun in 1992, is the use of campaign letterhead that incorporates, with their permission,

the names of leading retiree contributors, according to Rigby, a long-time United Way supporter. This encourages the spirit of a community of giving. As campaign chair, he also is interested in enlarging the leadership base.

Along with Kneebone, the top echelon of the retirees' campaign now includes Bob Schmalz, professor emeritus of geology; Don Crider, professor emeritus of rural sociology; and Martha Adams, professor emerita of health, physical education, and recreation.

Rigby, whose other community involvements have included the State College Borough Planning Commission, Centre Community Hospital Board, the Centre Area Transit Authority, CNET, and the Boy Scouts, said increased visibility among contributors and potential contributors was key to future growth of the retirees campaign and he planned to take concrete steps to build that visibility.

AGENCY SERVICES IN 1996

United Way agencies helped one in three people in Centre County:

- 4,118 physically challenged individuals were able to achieve their high-level goals of independence.
- 870 victims of family violence and rape received care and support.
- 3,025 people were provided with emergency food supplies.
- 848 children and teenagers benefited from counseling and learning programs.
- 1,482 men and women obtained legal and mediation advice.

Speaking Out Rene Portland, coach of the Penn State Lady Lions basketball team, discusses the importance of involvement in the United Way at the kickoff of the Combined Federal Campaign in State College.

Photo: Greg Grieco



United is the Way

Here's How You've Helped

It was started in the mid-1970s by Edith Bassett, a school teacher in the Orvis/Museum area. Edith—called "Slim"—by callouses and friends—had long lamented that there was a public library in the rural region between Lake Haven and Lakeville. One day, she decided to do something about it.

Edith recruited a handful of neighbors as enthusiastic as she to help raise funds. They held teas and suppers, hosted talks by area authors, and soon had enough money to buy a small number of books and reference materials. They solicited donations of more books, and the community responded.

The new library found a home in one room of Beech Creek's Friendship Community Center, formerly a Methodist church. Today, the Friendship Community Library has expanded to two rooms in the center, and continues to grow.

Alice came to the car without a single suitcase or bag. She seemed to be huddled up to brave the cold February weather, but had no possessions with her.

While doing the intake interview we discovered the adversity this woman had to overcome to reach our shelter. She had left her abuser in Pittsburgh after he had attempted to set her apartment building on fire. As she told us this story, Alice started taking off layers of clothes—a couple pairs of pants and socks, shirts, sweaters, and her coat. She was so desperate to leave, this is all she brought with her. She went to the interstate and started hitchhiking rides toward State College. It took an hour to get her first ride, and the whole trip took eight hours. I disbelief I asked "How could you put yourself in such danger as to hitchhike from Pittsburgh?" She responded, "I was safer taking my chance hitchhiking with strangers than I would have been staying where he could get me. If I had stayed in Pittsburgh, he would have killed me."

—as told by a counselor/advocate of the Centre County Women's Resource Center

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, October 24

"Bruce Young & Jesse," concert, noon, Kern Graduate Commons.

"Servant of Two Masters," by Carlo Goldoni, 8 p.m., Pavilion Theatre, through Nov. 1. For tickets, phone (814) 863-0255.

"Mad Hatter Tea Party" 8-10 p.m., HUB Browsing Gallery.

Saturday, October 25

Andrea L. Smith, lute, student recital, 4 p.m., Recital Hall.

Moscow Conservatory Ensemble, 8 p.m., Schwab Auditorium. For tickets, phone (814) 863-0255.

Cecilia Dunoyer, piano, faculty recital, 8 p.m., Recital Hall. Counting Crows with special guests Dog's Eye View, 8 p.m., The Bryce Jordan Center.

Sunday, October 26

"Essence of Joy," 4 p.m., Recital Hall. For tickets, phone (814) 863-0255.

Marylene Dosse, piano recital, 3 p.m., 122 Music II.

Monday, October 27

Daryl Duran, bassoon, faculty recital, 8 p.m., Recital Hall.

Tuesday, October 28

Flute Studio, 8 p.m., Recital Hall.

Happy Valley Toastmasters, noon to 1 p.m., 310 Shields.

Wednesday, October 29

Chicago and the Beach Boys, 7:30 p.m., The Bryce Jordan Center.

"Sister Amnesia's Country Western Nonsense Jamboree," 8 p.m., Eisenhower Auditorium, through Oct. 30. For tickets, phone (814) 863-0255.

Thursday, October 30

The Penn State Saxophone Ensemble, Bach's Lunch concert, 12:10 p.m., Eisenhower Chapel.

"The Blue/White Basketball Game," 7:30 p.m., The Bryce Jordan Center.

Percussion Ensemble Concert, 8 p.m., Recital Hall.

Friday, October 31

"Red Apple Juice," concert, noon, Kern Graduate Commons. Todd Narehood, saxophone, student recital, 8 p.m., Recital Hall.

Saturday, November 1, 8 and 15

Printmaking Workshop, Palmer Museum of Art. For children age 6 and older and their parents. To register, phone (814) 865-7672 before Oct. 24.

Sunday, November 1

Paquito D'Rivera and the United Nations' Orchestra, 8 p.m., Eisenhower Auditorium.

Sunday, November 2

Audrey Rottschaefer, clarinet, student recital, 1 p.m., Recital Hall.

"Athletes in Action," 2 p.m., The Bryce Jordan Center.

SEMINARS

Friday, October 24

Richard Goldstone on "International Justice and Democracy: The Role of the United Nations," 11:30 a.m. to 1 p.m., The Nittany Lion Inn.

Gregory B. Wayne on "The Information Content of Forward-Looking Disclosures by Trade Associations: Evidence from the Semiconductor Industry," 3:30-5 p.m., 333 Bean Business Administration.

Linda Pickle on "The New Atlas of U.S. Mortality," 4 p.m., 206 Walker.

Michael Naas on "Welcoming the Host: The French Reception of Plato," 4 p.m., 115 Keller.

Saturday, October 25

David Mumford, Ulf Grenander and Rangachar Kasturi, lecture series, "Computer Vision and Image Analysis," 201 Thomas. To register, phone (814) 865-1348.

Monday, October 27

Nathan Anderson on "Blending Ground Bed Using Near-Infrared Spectroscopy" and Sarah LaBance on "A Simple Off-atomistic Evaluation of Microporous Covers for the Reduction of Mushroom Substrate Preparation Odors," 12:20 p.m., 339 Agricultural Engineering.

Sam Finn "Cosmology by the Numbers," 2 p.m., 339 Davey Laboratory.

S. Sridar on "Quantum Waves in Chaotic Billiards," 3:30 p.m., 339 Davey Laboratory.



Mad hatters

William Asbury, vice president for student affairs, back; Millie Bush, longtime community resident and former hat shop owner; and student artist Ben Grazzini, front, will be judges for the Mad Hatter Tea Party to be held from 8 to 10 p.m. Friday, Oct. 24, in the Hetzel Union Building Browsing Gallery on the University Park campus. The event is being held in conjunction with the exhibit in the gallery of Marilyn Collins' sculptures — which includes hats. The party is open to anyone wearing a hat.

Photo: Greg Grieco

Tuesday, October 28

Ann Quinlan on "Idioms of Australian Architecture," 11:15 a.m., 206 Engineering Unit E.

S. Casciani on "Sacred Oratory and Audience: Preaching in Medieval Society," noon to 1 p.m., 212 Eisenhower Chapel.

Gerold Schubiger on "Drosophila Development: Challenges and Opportunities: The Concept of Mid-Blastula Transition (MBT) at the Blastoderm Stage in the Drosophila Embryo," noon, 317 Mueller.

Richard Spontak on "Micellization and Bi-layer Formation in ABA and ABC Triblock Copolymer Blends and Gels," 2:30 p.m., Robeson Cultural Center.

M. Li on "Matrix Theory," 3:30 p.m., 339 Davey Laboratory.

Emily Martin on "Women in the Flexible Body: Cultures of Health in the Late 20th Century U.S.," 4 p.m., 305 HUB.

Gerold Schubiger on "Drosophila Development: Challenges and Opportunities: Cell Determination, Transdetermination: Who Cares?" 4 p.m., 8 Mueller.

William Kraemer on "Supplement Use and Muscle Function," 4 p.m., 110 Warrick Laboratory.

Wednesday, October 29

Majid Foolad on "Genetics of Salt Tolerance and Cold Tolerance in Tomato," 12:20 to 1:10 p.m., 112 Buckhout Laboratory.

John J. Lesko on "Composite Bridge to the Future," 3:35-4:25 p.m., 108 Sackett.

Fred Harman on "Strength, Muscle Fiber Area and Hormonal Changes in Elderly Subjects with 24-Weeks Resistance Exercise Training," 4-5 p.m., The Living Center, 110 Henderson Building.

Thursday, October 30

Othmar Brodbeck on "Rotating Soliton and Non-Rotating Non-Static Black Holes," 11:30 a.m., 339 Davey Laboratory.

Anne Kapler, Shelle Dershem and Julie Gibbony on "Degree Audit — Let's Discuss It," 4 p.m., 305 HUB.

Brian Greene on "String Theory, Black Holes and the Structure of Space-Time," 3:30 p.m., 101 Osmond Laboratory.

■ Ann Miller on "Women in Australian Politics," 4 p.m., 124 Sparks.

Panos Pardalos on "Recent Approaches for Solving Quadratic Assignment Problems," 4 p.m., 302 Pond Laboratory.

Mary Miles on "Exercise and the Immune System: Responses to Acute Resistance Exercise," 4:15 p.m., 108 Chambers.

John Belle on "What's New in Old New York: Reinventing the City for the 21st Century," 8 p.m., 112 Walker.

William "Joy" Kirby on "Employee/Management Relations Style Required for the 20th Century," 8 p.m., 112 Kern Auditorium.

Friday, October 31

Richard C. Sansing on "Valuing the Deferred Tax Liability," 3:30-5 p.m., 333 Bean Business Administration.

Daniel Conway discusses his book, *Nietzsche's Dangerous Game: Philosophy in the Twilight of the Idols*, 4 p.m., 124 Sparks.

Dan Nadenick on "Mimihaha Park: When Shifting Mores Meet Immutable Ideals," 4 p.m., 206 Walker.

CONFERENCES

Friday, October 24

Penn State Thespians Alumni Reunion, The Nittany Lion Inn, through Oct. 26.

Saturday, October 25

"Expanding Your Horizons in Science, Mathematics and Engineering," 104 Thomas. To register, phone (814) 865-3342. Association for Continuing Higher Education annual meeting, The Penn State, through Oct. 28.

Monday, October 27

"Principles of Coal Preparation: Mine to Market," The Penn State, through Oct. 29.

Tuesday, October 28

"The Art of Investing: Tips from America's Experts," satellite teleconference, 3:40-5 p.m., Kern Auditorium.

"The Future," The Penn State.

Wednesday, October 29

PASBO Leadership Skills Workshop, The Penn State, through Oct. 30.

Thursday, October 30

Nineteenth Annual Cooperative Vocational Education Conference, The Penn State, through Oct. 31.

National Symposium on Transitions to Adulthood in a Changing Economy, The Nittany Lion Inn, through Oct. 31.

Friday, October 31

PA Chamber of Business and Industry, The Penn State.

■ American Association for Chinese Studies, The Nittany Lion Inn, through Nov. 2.

Sunday, November 2

VOICES, 9 a.m., various locations.

EXHIBITS

HUB Art Alley Casea

HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Art Alley Panels

Kyle Eaddy on "Nine Warriors," through Nov. 2.

HUB Browsing Gallery

Sculptures by Marilyn Collins, through Oct. 31.

HUB Formal Gallery

■ "Beijing and Beyond: Women Artists Respond to the World Conference on Women," through Oct. 25.

Palmar Museum of Art

"Photographs by the Stieglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the 16th through Early 20th Centuries," Special Exhibition Gallery I, through Dec. 21.

Zoller Gallery

B.F.A. Student Exhibition, through Oct. 28.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Appointments

Mont Alto names assistant residence life coordinator

Jeffrey Foster recently joined the Penn State Mont Alto staff as an assistant residence life coordinator. Foster holds a bachelor's degree in biochemistry from Indiana University of Pennsylvania where he served as an academic enhancement student coordinator and a peer adviser. He is currently pursuing a master's degree of student affairs in higher education at Indiana University of Pennsylvania and is at Penn State Mont Alto as part of an internship program. He is acting as the 1996-1997 events coordinator for the American Chemical Society, as well as advising the Penn State Mont Alto Outing Club.



JEFFREY FOSTER

Outreach communications names new director

Tracey deBlase Huston has been named director of outreach communications. Huston brings more than 13 years of experience in marketing, public relations and advertising to the Outreach and Cooperative Extension position.

Huston joined Penn State as an account specialist in the Office of Marketing Communications in the fall of 1994. Before joining Penn State, she worked at Juniata College for 10 years, serving in the leadership roles of assistant director of public relations, publications manager and director of sports information. Huston has been recognized nationally by the Council for Advancement and Support of Education, the National University Continuing Education Association and the Collegiate Sports Information Directors of America for numerous projects. She earned her bachelor of arts degree in 1985 from Juniata College and is pursuing a master of arts degree in the College of the Liberal Arts.

In her new role, Huston will work closely with the communications offices that support the outreach mission of the University including the College of Agricultural Sciences and Research and Technology Transfer. She will collaborate with the Office of University Relations and the Office of Governmental Affairs to implement a strategic communications plan to increase awareness and appreciation of the impact of outreach and cooperative extension.

Residence life/student life coordinator joins Mont Alto

Penn State Mont Alto welcomes new staff member David Lindenmuth as coordinator of residence life/student life. Lindenmuth holds a master's degree in college counseling and a bachelor of science degree in business administration, both from Shippensburg University. His professional experience includes serving



DAVID LINDENMUTH

as a graduate assistant in the Shippensburg University Counseling Center and as a counseling intern at Harrisburg Area Community College. His duties at Mont Alto campus include overseeing Mont Alto Hall, which houses 220 students. He also is responsible for student orientation.

Shenango welcomes admissions counselor

Janice Morgenstern has been appointed admissions counselor at the Penn State Shenango campus.

Morgenstern earned a bachelor of science degree and a master of education degree from Slippery Rock University. In her new position, Morgenstern will be responsible for visiting local high schools and giving students and counselors information on Penn State. She also will conduct personal interviews with people interested in attending Penn State.

Before coming to Penn State Shenango, Morgenstern worked for the Mercer County Career Center for more than 12 years, where she held the position of coordinator/counselor for their adult basic and literacy education program. Last year, she was named project director for New Choices, a program designed specifically for adults returning to the work field. Previously, Morgenstern was a counselor for children and adolescents in a private practice in Slippery Rock, Pa., for 10 years. She also taught for the Sharpville Area School District at their South Pymatung Elementary School upon graduation from college.

Restructuring leads to several appointments

Brian Sickora, Melanie Rupert, Janice Pearce and Patti Cochran have all been appointed to new fiscal duties within the restructured Budget and Finance Office for Outreach and Cooperative Extension.

Sickora brings 13 years of experience to his role as director of budget and financial analysis, financial officer V. From 1985 to 1994, he was the senior business analyst for HRB Systems Inc. In 1994 he was named director of finance for WPSX-TV/WPSU-FM at the University.

Sickora received three awards for his work at WPSX-TV/WPSU-FM. In 1994 he received the "Cents-Ability Award" for redesigning and streamlining financial procedures. In 1995 he was recognized for his high standard of achievement as the recipient of the "General Manager's Award" and in 1996 he received Continuing and Distance Education's "Creativity and Innovation Award." Sickora earned his bachelor of science degree in accounting from Penn State.

As director of budget and financial analysis he will provide advanced financial analysis in support of new and existing program initiatives across the Outreach and Cooperative Extension organization. Sickora also will be responsible for the overall financial performance and fiscal integrity of Outreach and Cooperative Extension, with a primary focus on continuing education, distance education and public broadcasting.

Working closely with Sickora, Rupert will represent the corporate controller on fiscal matters including budget control, analysis and expenditure control as the director of budget and finance, financial officer IV. Before her appointment at University Park, she served as corporate controller at Penn State Altoona for three years. From 1983 to 1988 she was a teller supervisor for Mellon Bank

N.A. in Williamsport. In 1988 she joined Penn State as an assistant financial aid coordinator and was promoted to financial aid coordinator in 1989. In 1991 she was named assistant bursar/residency appeal officer and worked there until 1995 when she assumed the role of corporate controller at the Altoona campus. Rupert earned her bachelor of science degree in management and computer science from Lock Haven University and a master of science degree in adult education from Penn State.

Pearce has been named assistant director for budget and finance for Conferences and Institutes. In this role she will be responsible for overseeing business activities of the unit, including all budgeting, financial and accounting activities. Pearce has served the University for 17 years, including five years as a financial assistant for Conferences and Institutes and most recently as assistant to the financial officer for Continuing and Distance Education.

Cochrane will move into the position of assistant to the financial officer for Continuing and Distance Education. Since 1995 she has served as a budget and planning analyst and information associate for Continuing and Distance Education. Before her appointment at Penn State, she was the assistant director and business manager for the Centre Region Pregnancy Center. From 1983 to 1988 she was a senior staff assistant in the Office of the Associate Dean for Administration in the College of Engineering. She earned an associate degree in business administration and a bachelor of science degree in accounting with distinction and a minor in management information systems from Penn State. Cochrane is a member of the Institute of Management Accountants and Beta Gamma Sigma, the National Scholastic Honorary Society in Business Administration.

Mont Alto appoints director of Business Services

Thomas Stapleton recently accepted the position of

Penn State Mont Alto director of Business Services. Since September 1996, Stapleton served as the acting director of Business Services at Penn State Mont Alto. He has been the assistant director of Business Services at Penn State Berks since June 1990.

He received his bachelor's degree in business administration from Albright College and also has completed an associate degree in liberal arts with an emphasis in business management. In 1994, he graduated from the Association of Physical Plant Administrators Institute for Facilities Management three-year program.

Stapleton is a member of the Association of Physical Plant Administrators and the Keystone Chapter of the Association of Physical Plant Administrators. His responsibilities will include management of human resources, purchasing, maintenance and operations, safety/policy services and other areas of business services.



THOMAS STAPLETON

Success brings funding to Student Support Services

The University's Student Support Services program at University Park for low income, first-generation and disabled college students has a track record of success that has won it a competitive four-year grant of \$748,084 from the U.S. Department of Education, beginning this month. The program has been offered at the University since 1993.

"When low-income, first-generation college students enroll at Penn State and are admitted into the Student Support Services program, they receive counseling, tutoring and supplemental instruction in key areas such as reading, writing, mathematics and study skills and other academic support services to help them graduate. Currently, we serve 203 students, and the program has a retention rate of 81 percent," said **Howard Wray**, associate dean for undergraduate education who oversees the University's academic assistance programs.

"This retention rate is astounding, considering the fact that only 8 percent of low-income students have a chance of graduating from college nationwide by the age of 24, compared to 80 percent of students in the top quartile of family income."

Audrey Kharem, program director said, "We get students involved right away and make sure they are connected to the advising, tutoring, counseling and cultural and social activities to succeed. Faculty and student mentors are an important part of our programs, and when participants get close to graduation, the program sponsors special career workshops and sessions on applying and finding financial aid for graduate and professional schools. We also sponsor trips to potential employers and graduate schools to give some an extra boost, especially students enrolled in sciences, engineering and business."

The program works with the offices of student aid and disability services to make early contact with eligible students.

Nationally, the program is one of the six federally funded TRIO programs that help students overcome class, social, academic and cultural barriers to higher education through access, financial aid and academic assistance programs.

The University currently has three Student Support Services programs. The other two are at Penn State McKeesport and Penn State Wilkes-Barre.



Construction progressing

Construction on the Hetzel Union Building/Paul Robeson Cultural Center project continues on the University Park campus. The HUB basement windows have now been boarded up for safety reasons. Designed by Williams Treiblock Whitehead Architects of Pittsburgh, the HUB/basement project will add 95,000 gross square feet to the existing 154,000 gross square feet comprising the HUB. Completion is targeted for the beginning of fall semester 1999.

Photo: Greg Grieco

College of Communications launches new Institute for Information Policy

The College of Communications has formed a new Institute for Information Policy. The institute's goal is to contribute to a national and international spirit of social responsibility by providing expertise aimed at improving the quality of life, enhancing democratic participation and establishing information-rich communities.

"We believe the institute has the potential to make a major contribution to national information policy," said **Terrri Brooks**, dean of the College of Communications.

Overseeing the institute as co-directors are **Jorge Reina Schement**, professor of telecommunications, and **Richard D. Taylor**, Palmer Chair in telecommunications studies. Schement, former associate dean of graduate studies for the college, has stepped aside from that appointment to assume a more active role in the development of the institute.

"The institute will maintain a special focus on issues of social responsibility, diversity and access

to information channels, especially as they affect the missions of governments and corporations," Schement said. "It also will provide broad opportunities for scholars in the college with varied interests, including but not limited to history, free speech, culture and media policy."

The institute will be supported through memberships of corporate and nonprofit partners. To date, the institute has received financial support from AT&T, the International Council for Distance Education, Libraries for the Future, the Safe Energy Communications Council and the Civil Rights Project Inc. Research partners include the City University of New York, the Northeast Center for Rural Development and the Benton Foundation.

The institute will incorporate and extend the vision of the college's Catalyst Center for Information Technologies, which will continue to run programs including conferences, seminars and briefings under the umbrella of the institute.

Promotions

Staff

Susan H. Hayya, library supervisor II in University Libraries.

Richard I. Heininger, lead applications programmer/analyst in Office of Budget and Resource Analysis.

Randolph W. Hennig, network coordinator at Penn State Great Valley.

Daryl R. Hoffman, lead applications programmer/analyst in Office of Vice President and Dean for Enrollment Management and Administration.

Sharon R. Houser, staff assistant VIII in College of Health and Human Development.

David R. Hunt, supervisor, Facilities Resource Services at Penn State Erie, Behrend College.

Michelle L. Igen, staff assistant VI in College of Health and Human Development.

Tracey B. Jackson, staff assistant VI in College of the Liberal Arts.

Amy L. Johnson, academic support programs coordinator at Penn State Erie, Behrend College.

Anne L. Johnson, sports information coordinator/DUS and admissions at Penn State Altoona.

Robert M. Jones, study abroad adviser in Office of the Dean of International Programs, Office of the Executive Vice President and Provost of the University.

Marilyn S. Keat, associate director, university scholars in University Scholars Program, Office of the Vice President and Dean for Undergraduate Education.

Douglas A. Kelly, associate research engineer in the Applied Research Laboratory.

Susan E. Knell, program coordinator II in Eberly College of Science.

Marlene A. Kostewicz, staff assistant VI at Penn State McKeesport.

David W. Lehning, project assistant in College of Agricultural Sciences.

Carol L. Lockard, coordinator, student services in The Smeal College of Business Administration.

Annette L. Lose, staff assistant VI in the Applied Research Laboratory.

Chris D. Lose, applications systems analyst in Intercollege Research Programs.

Brian R. Macafee, unit manager in College of Agricultural Sciences.

Kenneth H. Macklin, admissions counselor II at Penn State Altoona.

Kimberly Martin, research support technician II in Intercollege Research Programs.

Patricia C. Maynard, group supervisor in College of Health and Human Development.

William E. McCane, supervisor, trades services in University Libraries.

Connie L. Moore, administrative assistant IV in College of the Liberal Arts.

Eunice L. Moore, director, Childcare Center at Penn State Erie, Behrend College.

Jacqueline S. Mowery, staff assistant VI at Penn State Altoona.

Ajay Nair, admissions counselor III at Penn State Delaware County.

Ceryl M. Norman, administrative assistant III in Intercollege Athletics.

Kathy Norris, staff assistant VII in University Relations.

Maureen T. O'Dea, staff assistant IV in College of Health and Human Development.

Partings

Former H&HD associate dean retires with emeritus status

Stanley P. Mayers Jr., professor of health policy and administration, has retired with the rank of professor emeritus from the College of Health and Human Development after a distinguished 26-year career. Mayers served as associate dean for academic studies from 1992 to 1995; as associate dean for undergraduate studies from 1989 to 1992; and as head of the Department of Health Policy and Administration from 1979 to 1988.

Mayers holds an M.D. from the University of Pennsylvania School of Medicine and a master's degree in public health from Johns Hopkins University. After a career in public health administration, he joined the former College of Human Development in 1971 to develop the health planning and administration program. Mayers is credited with introducing the business aspects of medicine into the health policy and administration program while maintaining the department's focus on public health. He has written numerous reports and studies on public

health and has maintained active ties with the medical profession.

Mayers served for a number of years as a member of the Council on Education and Science of the Pennsylvania Medical Society. He has served as president and treasurer of the Centre County Medical Society and is a Fellow of the American College of Preventive Medicine. He has chaired the Cardiovascular Risk Reduction Advisory Committee for the Pennsylvania Department of Health.

As associate dean for undergraduate studies, Mayers established the Undergraduate Program Council, developed the writing across the curriculum program for the college and participated in cultural diversity course development. He served on the executive committee for the college and on the University's Faculty Senate for 10 years, serving on the Senate Council and as chair of the external affairs committee. He has been a member of the advisory

committee for the physician assistant program at The Hershey Medical Center and is chair of the biomedical committee for the University's Office of Regulatory Compliance.

Mayers is a member of Penn State's Mount Nittany Society. In 1992, he established the Virginia L. Mayers Memorial Scholarship Endowment in honor of his late wife, to recruit outstanding freshmen and provide support to students who are deserving and in need of financial assistance.

The Stanley P. Mayers Jr., Health Policy and Administration Excellence Endowment has been established in the college with lead financial support from Mayers.

Mayers was recognized by the college in 1985 with the Evelyn R. Saubel Faculty Award for excellence in student advising. This year, he received the college's highest philanthropic award, the College Crystal.

Longtime faculty members retire from Penn State Beaver

Three faculty members have recently retired from Penn State Beaver.

Emma S. Rocco, associate professor of music, has been a member of the Penn State Beaver faculty since 1967. Rocco, Beaver resident, holds a Ph.D. in ethnomusicology from the University of Pittsburgh, a master's degree in music theory and composition and a bachelor's degree in public school music and piano performance, both from Duquesne University.

Rocco taught music history, theory, vocal music, the history of jazz, music theatre and elementary classroom methods. She also has directed musical theatre productions at Penn State Beaver since 1977. She is a member of numerous professional organizations, including Mu Phi Epsilon International Music Fraternity, the Society of Ethnomusicology, the Italian Cultural Heritage Association of Western Pennsylvania and the Pittsburgh Concert Society.

In addition to writing numerous journal articles and presenting numerous papers and workshops, Rocco has written or contributed to three books: *Italian Wind Bands: A Surviving Tradition in the Hilltowns of Pennsylvania*; *Twentieth Century History of Beaver County and Kalediascope: The Artworld and Its Audience*. She also has conducted research on Slavic music and black music in America.

In addition to teaching and research, Rocco also is a respected performer and director. Along with her husband, Val C. Rocco, she has presented and coordinated numerous concerts in the Pittsburgh area.

Alfred D. Talvola, associate professor of engineering, came to Penn State Beaver in 1967. He earned a master's degree in mechanical engineering from the University of Pittsburgh and a bachelor's degree in mechanical engineering from Case Institute of Technology.

Talvola is a registered professional engineer and a member of the Ameri-

can Society for Engineering Education and the Society of Automotive Engineers. He taught a variety of engineering courses and specialties in mechanical design, experimental stress analysis, thermal systems and basic manufacturing processes.

During his tenure at Penn State Beaver, Talvola served as president of the campus Faculty Senate; a University Faculty Senator; chair of the campus Promotion and Tenure Committee; chair of the Promotion, Tenure and Sabbatical Leave committees; served as University-wide coordinator of mechanical engineering technology; and the mechanical engineering technology group leader.

Before coming to Penn State Beaver, Talvola worked as a draftsman-designer, design engineer, research engineer and applications engineer. He also has served as a consultant on material transfer systems, hydraulic and pneumatic power sources, mechanical testing programs and insurance investigation.

Kandiah Thanigasalam has been an assistant professor of mathematics at Penn State Beaver since 1971. He received his Ph.D. from Penn State, his master's degree from the University of London and his bachelor's degree from the University of Ceylon.

Thanigasalam has been an active reviewing member for the *Mathematical Reviews* in Ann Arbor, Mich., and Zentralblatt für Mathematik in Berlin, Germany, and has published several articles on number theory in international journals. He taught a variety of mathematics courses.

Before coming to Penn State Beaver, Thanigasalam was an assistant professor at Fordham University in New York; a senior lecturer at Constantine College of Technology in Middlesbrough, England; a lecturer at Lancaster College of Technology in Coventry, England; and an assistant lecturer and visiting lecturer at University of Ceylon and Aquinas University College.

Several begin retirement

Carter L. Ackerman, department head/associate professor of engineering research in Applied Research Laboratory, from July 11, 1960, to June 30.

Donald E. Bettleyon, supervisor, trades in Office of Physical Plant, from Aug. 1, 1962, to April 1.

Richard C. Bollinger, professor of mathematics at Penn State Erie, Behrend College, from Sept. 1, 1962, to June 30.

Gloria D. Briggs, human resources coordinator IV in The Office of the President, from Feb. 8, 1965, to July 1.

George R.P. Bulman, assistant professor of electrical engineering at Penn State Capital College, from Feb. 1, 1958, to June 30.

Corinne S. Coplan, administrative assistant I in College of the Liberal Arts, from Feb. 23, 1981, to Aug. 16.

Harry N. Cunningham, associate professor of biology at Penn State Erie, Behrend College, from July 1, 1967, to June 30.

Ralph L. DeShong, associate director in Student Affairs, from March 15, 1968, to June 30.

William Dunson, professor of biology in Eberly College of Science, from Dec. 1, 1965, to June 30.

Barbara A. Gephart, graphic designer at Dickinson School of Law, from Nov. 21, 1981, to Aug. 16.

Donald E. Hopkins, associate professor of music in College of Arts and Architecture, from Sept. 1, 1964, to July 1.

Joseph D. Lewis, group leader maintenance worker utility at Penn State Fayette, from Feb. 8, 1972, to July 26.

Isabel C. Link, staff assistant VIII at Penn State Abington, from Oct. 2, 1978, to Sept. 1.

Carlton L. Lucas, stock truck driver in Office of Physical Plant, from Sept. 20, 1970, to June 21.

Ronald A. Petak, campus Registrar at Penn State Altoona, from Aug. 1, 1968, to Aug. 30.

Robert C. Peters, orchard and machine worker in College of Agricultural Sciences, from March 1, 1964, to Sept. 27.

Elma L. Reese, janitorial worker in Office of Physical Plant, from Feb. 8, 1977, to Sept. 6.

Margaret T. Shearer, bookstore manager at Dickinson School of Law, from Feb. 26, 1979, to Aug. 16.

Frank J. Swetz, professor of mathematics in College of Science at Penn State Capital College, from Sept. 1, 1969, to Aug. 1.

Awards

Professor cited for superior research, contributions to field

Barbara Rolls, Helen A. Guthrie chair and professor of nutrition, has been honored with a MERIT (Method to Extend Research in Time) Award from the National Institute of Diabetes and Digestive and Kidney

Diseases (NIDDK) for her extensive and superior contributions to the field of nutrition.

Granted to a limited number of outstanding researchers, this eight-year award will support Rolls' continued research on why people overeat high-fat foods and what the underlying reasons are for obesity.

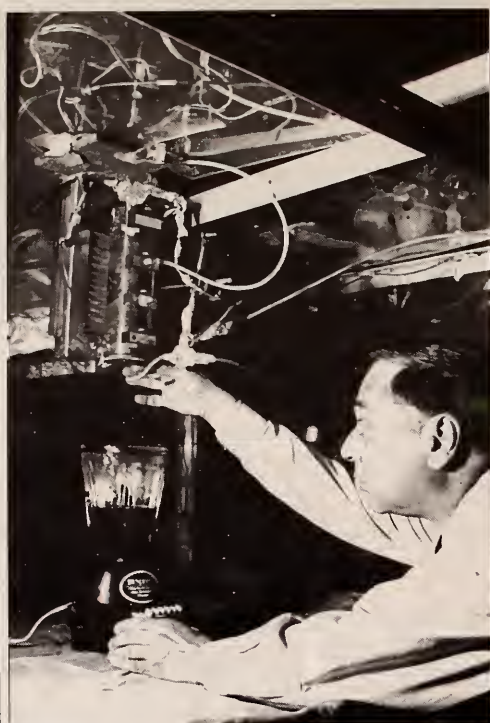
Rolls' contributions to human nutrition, especially related to food and water consumption, have produced major advances in our knowledge of the physiological and psychological controls of eating behavior. Her career includes a series of exciting discoveries of importance for individuals dealing with obesity, eating disorders and aging. She has co-authored the book *Thirst*, and recently co-edited the book *Nutritional Implications of Macronutrient Substitutes*. In addition, she has written or co-authored numerous scholarly articles and book chapters.



BARBARA ROLLS

Rolls came to the College of Health and Human Development in 1992 from the Johns Hopkins University School of Medicine, where she served as professor of psychiatry. She is president of the North American Association for the Study of Obesity and has served on its council since 1990. In addition, she is a member of the National Diabetes and Digestive and Kidney Diseases Advisory Council of the National Institutes of Health, a member of the National Task Force on Obesity of the NIDDK and a member of the executive committee of the NIDDK Weight-Control Information Network. Rolls is past president of the Society for the Study of Ingestive Behavior. She serves on the editorial boards of *Appetite*, *The American Journal of Physiology*, *The American Journal of Clinical Nutrition*, *Obesity Research* and *Nutrition Reviews*.

In 1995, Rolls received the American Institute of Nutrition Lederle Award in Human Nutrition. In 1996, she was honored with the Pauline Schmitt Russell Distinguished Research Career Award from the College of Health and Human Development. Rolls earned her doctorate in physiology from the University of Cambridge and a master's degree from the University of Oxford, England. She holds a baccalaureate degree in biology from the University of Pennsylvania.



Recognized

Jogender Singh, senior research associate with the Applied Research Laboratory High Energy Processing Department, demonstrates how he used a \$30 blender to create nanoparticles and nanotubes in the ARL laser laboratory. *R&D Magazine* has recognized this technique with an R&D 100 Award.

Penn Staters

Mehdi Khosrowpour's international activities included presentations and seminars in Kuwait, New Zealand and Australia. Khosrowpour, associate professor of information systems, was the keynote speaker at the 1977 Arab Business Conference in Kuwait City when he spoke on "The Role of Information Technology and Globalization of Arab Business." He conducted a seminar on "Information Technology and Global Strategic Planning" at the University of Sydney; delivered an invited talk on "The Human Side of Information Technology Management" at the University of Massey in Auckland; and conducted a seminar on "The Role of Information Technology in Formulation of Global Business Strategies" at the University of Auckland.

presented the keynote address for the 32nd annual conference of the Association Canadienne d'Education des Adultes des Universites de Langue Francaise, in Montreal. She spoke on the topic "Continuing Professional Education: Past, Present and Future" for 150 participants representing higher education institutions and professional associations, primarily from Quebec.

During a Sept. 22 Penn State symposium commemorating the 450th anniversary of the publication of the first Lithuanian book, William R. Schmalstieg, Sparks professor of Slavic languages, was given the Lithuanian government Mazydydas Medal in recognition of his contributions to Lithuanian culture.

Lita Linzer Schwartz, distinguished professor emerita at Penn State Abington, presented an invited

paper on "Gifted and Creative Female Artists and Photographers" at the International Symposium on Emotion, Creativity and Art in Perm, Russia.

Ellen Taricani, training and support specialist in computer services, Peg Cingel, user support specialist III in computer services, and Beth Raney, computer education leader in computer services, received a Silver Award in the Information Technology Education category for materials developed for the County Internet Access Project at the Agricultural Communicators in Education 1997 International Conference.

Susie Whittington, assistant professor of agricultural and extension education, received the Teacher Fellow Award from the National Association of Colleges and Teachers of Agriculture.

Donna S. Queeney, director of research and external relations for Continuing and Distance Education,

Research

Professor possesses volumes of knowledge of coats of arms

By PAUL A. BAUM
Public Information

Heraldry evokes romantic images even in today's cyberspace culture. However, understanding the realities of medieval history and the civilization that gave rise to coats of arms requires arduous work and rare skills.

No one knows this better than Gerard J. Brault, Edwin Erle Sparks professor of French and medieval studies and editor of a monumental two-volume work, *The Rolls of Arms of Edward I, 1272-1307*, published recently by the Boydell Press for the Society of Antiquaries of London.

The rolls list 5,216 "entries" referring to about 2,100 people, many of them conspicuous figures in contemporary England and Europe. Brault's edition is a major new reference work for medievalists as it identifies for the first time the arms borne by a large number of lesser known lords and knights.

Brault was tapped for this demanding task by the late Sir Anthony Wagner, Garter King of Arms, the chief herald of England. Wagner was impressed by Brault's *Early Blazon* (Clarendon Press, 1972), a painstaking analysis of the terminology used in 13th-century rolls of arms and in the French literature of the day.

"Coats of arms were initially used by knights for identification in battle and in tournaments," Brault said. "First attested to in western Europe in the second quarter of the 12th century, they had proliferated to such an extent by the mid-13th century that rolls — originally long, narrow manuscripts rolled up for storage — were compiled to keep track of them."

Heralds recorded arms either by painting rows of shields with captions to identify their owners or by listing names and blazons, that is, precise descriptions



Gerard J. Brault, Edwin Erle Sparks professor of French and medieval studies, has produced a major reference work listing more than 5,000 coats of arms.

Photo: Greg Grieco

in the technical language of heraldry. Unfortunately, the years have taken their toll on these valuable documents.

"Some of the manuscripts are torn or stained, the colors of the shields have faded, the handwriting is smudged or partially erased," Brault said. "Most of the rolls survive in copies made centuries later. In a number of cases, the coats were poorly executed, and the names or the blazons were garbled by an uncomprehending copyist."

After establishing the text, Brault had to identify

as many of the coats as possible, using information garnered from other rolls of arms, armorial seals, local histories and archival records of all types: charters, deeds, transfers of property, inquisitions post mortem and so forth.

It took Brault seven years of laborious research to edit *The Rolls of Arms of Edward I*. He spent weeks in the College of Arms, the British Library and the Public Record Office in London; the Bibliothèque Nationale, the Archives Nationales and the Institut de Recherche et

D'Histoire des Textes in Paris; and a number of American libraries.

"I enjoyed every aspect of this research, but solving textual problems and identifying arms that had long puzzled scholars were particularly gratifying moments," Brault said. "Some of the time, this resulted from lengthy and meticulous sifting of available evidence in distant libraries. At other times, the discovery came in a forehead-slapping flash when I was simply sitting at home in my study."

Onus on teachers, students alike for education of those with ADHD

All teachers encounter the fidgety student who disrupts the classroom with a careless, almost cheerful abandon. To the harried teacher, that student is the ultimate discipline problem.

"The odds are good that many of these 'discipline problems' suffer from a neurological condition called attention deficit hyperactivity disorder (ADHD)," said James Levin, director of the Academic Advising Center in the Eberly College of Science.

ADHD is believed to be a hereditary condition affecting areas of the brain which control impulsivity, arousal and sensitivity to rewards and punishments.

"No one would deny that working with ADHD students represents a considerable physical and mental drain for the teacher," said John Shanken-Kaye, instructor of classroom management with Continuing and Distance Education.

Levin and Shanken-Kaye are co-authors of the recently published book *The Self-Control Classroom: Understanding And Managing The Disruptive Behavior Of All Students Including Students With ADHD* (Kendall/Hunt). Levin also is a member of the College of Education graduate faculty, while Shanken-Kaye is a therapist with the Bucks County Juvenile Court.

For optimal teaching of ADHD students, both students and teachers have to be accountable for their actions in class," Shanken-Kaye said. "The teacher must make clear to ADHD students that, even though they suffer from a neurological disorder, they are still responsible for their behavior and its impact on fellow students."

At the same time, teachers should realize that ultimately they can control no one's behavior but their own. When they understand that, they can adjust their teaching methods accordingly in dealing with ADHD students.

Teachers need to schedule frequent activities that require movement, choose these students to run errands or simply allow students to stand at their desks and stretch," Levin said. "This will decrease the likelihood that students' hyperactivity is expressed in disruptive behavior. In addition, management interventions need to be delivered in a manner that provides students with opportunities to learn to control their own behaviors."

EMPLOYEE BENEFITS

A regular column provided by
the Office of Human Resources

Benefit enrollment period to begin

The enrollment period for 1998 benefits coverages, which extends from Nov. 1-21, will give faculty and staff the opportunity to switch medical plans and to make other benefits elections. Enrollment packets containing benefits information will be sent by campus mail beginning Oct. 27 to all full-time faculty and staff and will include a personalized benefits statement indicating the University benefits programs in which the employee is currently enrolled. Those who wish to switch medical plans will complete the Health Benefits Plan 1998 Enrollment Form contained in the Time to Choose materials.

This year Penn State is offering an "open" enrollment for medical benefits only. An employee or dependent who previously waived coverage can participate without having to satisfy evidence of insurability; however, pre-existing condition limitations may apply under the Healthpass PPO or Plan A. Unmarried, dependent children are eligible for coverage up to age 19 or, if a full-time student, to age 23. Contact the Employee Benefits Division to get the form necessary to add an eligible individual to the medical plan.

A flexible benefits election form for 1998 also is included. Those who wish to enroll in flexible benefits Option I (contribution conversion), Option II (health care expense reimbursement) or Option III (dependent care expense reimbursement) may do so.

New flexible benefits election forms must be completed and submitted each year for health care reimbursement accounts and dependent care reimbursement accounts, even if someone is enrolled for the current calendar year. This isn't necessary for those already participating in flexible benefits Option I.

Forms for plan changes or flexible benefits options must be returned to the Employee Benefits Division no later than Friday, Nov. 21.

For more information call the Employee Benefits Division at (814) 865-1473 or e-mail bene@psu.edu. If a faculty or staff member wishes to change name, address or dependent information, separate forms are needed and are available on request. Forms for these specific changes may be returned at any time of the year.



Campus tour

Lion Ambassadors Jen DeMay, center foreground, and Rob Petch, right, led a group of families around the University Park campus recently. Walking tours of the campus give visitors a good feel for the campus atmosphere.

Photo: Greg Grieco

Smeal scores among international elite

By several different measures, Penn State Executive Programs, a division of The Smeal College of Business Administration, was among the international leaders in the latest *Business Week* survey of executive education.

According to the Oct. 20 edition of the magazine, the Smeal programs, under the direction of Virginia Tucker, associate dean, were fifth among American public business schools in providing top-level leadership education for businesspeople worldwide. Furthermore, *Business Week* said, Smeal was fourth overall in programs concerning manufacturing and research and development; and fifth overall in programs in the management of human resources.

Penn State also is a recognized research leader in executive education.

Studies in the field are conducted here through the Institute for the Study of Organizational Effectiveness, co-founded by Albert A. Vicere, professor of business administration and former associate dean for executive education, and Scott Snell, associate professor of business administration. Vicere was cited as an expert in the magazine's special report.

Business Week sent surveys to 535 companies to gauge their preferences in providers of executive education. Each institution's point total was then divided by the number of companies that had direct experience with them to yield the rankings.

Private American schools dominated the top-20 executive education providers, accounting for 12 spots. Only five public American

schools, including Penn State, were included. The other three top-20 spots were taken by European institutions.

Four Big Ten schools were included among the elite. Along with Penn State were the University of Michigan, Northwestern University (Kellogg) and Indiana University. Penn State and the University of Pennsylvania's Wharton School were the only schools from Pennsylvania in the upper echelon.

Harvard was first overall, followed by Michigan, Northwestern (Kellogg), Penn (Wharton) and Stanford. Penn State was 19th overall, one spot ahead of Cornell University (Johnson), and one spot behind the University of Southern California (Marshall).

PENNSTATE



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Still going strong after 50 years of teaching

By LISA M. ROSELLINI
Public Information

As Drew Stahl tells it, there's nothing remarkable about teaching for 50 years. He's just "an old guy who didn't quit working."

The professor emeritus, who teaches gratis, is still on the job and showing no signs of slowing down. For decades, Stahl has been educating petroleum engineers — some of whom weren't even born when the oil crisis of the early '70s struck or the Trans Alaska Pipeline was completed in 1977. According to colleagues, Stahl not only has educated more than 1,500 petroleum engineers during his longstanding teaching career, but he also has been the heart and soul of Penn State's petroleum and natural gas engineering program for most of its 65-year history, even serving as department head from 1963 to 1984.

"I see absolutely no reason to quit," Stahl said. "I like what I'm doing and I'm effective at it. In fact, I think I might be more effective now that I have time to thoroughly prepare my lectures."

Stahl — whose official retirement date was 13 years ago — came to Penn State as a freshman in 1942 and began teaching in 1947, just two days after receiving his bachelor's degree. That was the year he started his graduate work in petroleum engineering and went on to earn a Ph.D. in 1953. It was in the '50s, that Stahl performed research that laid the groundwork for many of the techniques still used today by profes-



For the love of teaching

Professor Emeritus C. Drew Stahl makes a point with a student in his 8 a.m. class.

Photo: Greg Grieco

See "Professor" on page 3

Enrollment increases at campuses

Editor's note: Next week, *Intercom* will take a closer look at the minority enrollment numbers, which jumped 4.5 percent over the previous year.

Enrollment at the University's 24 campuses reached an all-time high of 78,956 for the 1997 fall semester, according to official figures released Wednesday. This number represents an overall increase of 1,498 students since last year.

"Last year Penn State projected a 1.5 percent to 2 percent enrollment increase for each of the next several years, and we are pleased to have remained within this target," President Graham B. Spanier said.

The University Park campus observed the largest increase in students, with 836 more than in 1996. Enrollment this fall at Uni-

versity Park is also the largest ever for that location, with 40,471 students. The increase is due primarily to the continuing effect of an exceptionally large incoming class in the fall of 1995, high retention rates and increased yield rates for this fall. The yield rate is the percentage of students who accept offers of admission.

Overall enrollments increased slightly at the Commonwealth campuses. Last year, Penn State adopted a plan to slow down the growth of campus enrollments, focusing most future growth on upper-division students, primarily by retaining students who are completing their sophomore year at a Penn State campus. The implementation of this plan has resulted in stable enrollments at

SPECIFICS

For a campus-by-campus breakdown of enrollment figures, please turn to page 2

Penn State's Abington, Berks, Lehigh Valley and Schuylkill campuses, and increases of 275 students at Penn State Altoona, 133 at Penn State Erie and 83 at Penn State Harrisburg.

Enrollments also leveled off within the 12-campus Commonwealth College, with variations from campus to campus, (see chart on page 2). Total fall 1997 enrollment is 13,757, compared to 13,926 in fall 1996.

The College of Medicine at The Milton S. Hershey

Medical Center and The Dickinson School of Law show stable enrollments. Two campuses that are scheduled for more significant growth in the future — Great Valley and the Pennsylvania College of Technology — are both on target with larger enrollments this fall.

"I am pleased with the quality of academic and enrollment planning shown across our campuses," Spanier said. "We have delivered on our commitments to prospective students, state officials and to the citizens of Pennsylvania."

Penn State experienced across-the-board increases in minority student enrollments this year. Total minority enrollment this year increased 4.5 percent this

New York Times staff to visit University Park

By LISA M. ROSELLINI
Public Information

Editor's note: At press time, details about the weeklong event were still being worked out. For specific information on the visits and lectures, check the Penn State home page at <http://www.psu.edu>.

Some media heavyweights from the editorial staff of *The New York Times* will be on the University Park campus for one week in early November to lecture and teach — a direct result of a newly established newspaper readership program at Penn State.

From Nov. 3-7, students in classes ranging from political science to economics, to English will benefit from the expertise and experience of five of *The Times'* top staff

See "Readership" on page 12

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Enrollment

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year, to 7,721 minority students now enrolled at the University — approximately 10 percent of total enrollments. African American enrollment, in particular, increased 4.5 percent to almost 3,000 students. Hispanic enrollment at the University increased by 5.4 percent, or an additional 80 students.

At University Park, African American enrollment increased by more than 13 percent over last year and Hispanic enrollment at University Park increased by 7 percent.

Campus-by-Campus Count

Location	Fall 1997*	Fall 1996*	Change
University Park**	40,471	39,635	836
Abington	3,218	3,234	-16
Altoona	3,727	3,452	275
Berks	1817	1,802	15
Lehigh Valley	614	610	4
Erie	3,327	3,194	133
Harrisburg	3,466	3,383	83
Schuylkill	981	979	2
Great Valley	1,471	1,392	79
Hershey	578	568	10
Dickinson School of Law	519	529	-10
Penn College	5,010	4,754	256

Commonwealth College

			Change
Beaver	811	783	28
Delaware County	1,546	1,528	18
DuBois	1,071	1,029	42
Fayette	872	923	-51
Hazleton	1,280	1,385	-105
McKeesport	836	883	-47
Mont Alto	1,140	1,196	-56
New Kensington	846	895	-49
Shenango	1,017	1,032	-15
Wilkes-Barre	795	805	-10
Worthington Scranton	1,516	1,403	113
York	2,027	2,064	-37
Total Commonwealth College	13,757	13,926	-169

Total Headcount **78,956** **77,458** **1,498**

* Beginning fall 1997, enrollment counts exclude students who withdraw between the first day of classes and the census date. Fall 1996 enrollment has been adjusted accordingly.

**Note: Enrollments at continuing education centers, by national reporting conventions, are reported with the University Park campus.

Check the Web

The Intercom is available each week in digital format. To read this week's issue on the Web, point your browser to <http://www.psu.edu/ur/INTERCOM>. For past issues, go to the same location and click on the link to the Intercom Online archives



Clean-up crew

Liza Haas, one of four women and six men who live at the Beef and Sheep Research Center on the University Park campus, works to clean up the stalls as part of her job. She is an undergraduate with a family background in the cattle business.

Photo: Greg Grieco

Awards

Professor honored with distinguished medal

Calyampudi R. Rao, holder of the Eberly Chair in statistics and director of the Center for Multivariate Analysis, has been awarded a Distinguished Achievement Medal by the American Statistical Association. Rao was selected for the honor by the association's Section on Statistics and the Environment in recognition of his outstanding contributions to the development of



CALYAMPUDI R. RAO

methods, issues, concepts and applications in environmental statistics.

Rao is internationally acknowledged as one of the world's top five statisticians for his multifaceted distinctions as a scientist, teacher, mathematician and researcher. His pioneering contributions to mathematics and statistical theory and applications have become part of graduate and postgraduate courses in statistics, econometrics, electrical engineering and many other disciplines in most universities throughout the world. He is the holder of 20 distinguished honorary doctorate degrees from universities in 15 countries. He is a member of the National Academy of Sciences (USA), an honorary Fellow of the American Academy of Arts and Sciences and also a Fellow of the Royal Society (England).

Penn Staters

Tod Allen, police services officer at Penn State Erie, Behrend College, was recently recognized for his work to prevent driving under the influence. Allen received a Governor's Highway Safety Award for work above and beyond normal job and social responsibilities to promote highway safety during 1996.

Ali Behagi, associate professor of electrical engineering at Penn State Harrisburg, presented a paper on the application of HF software in the design of microwave oscillators at the 1997 IEEE International Frequency Control Symposium. The paper will be published in the IEEE Proceedings.

Thiel College recently honored Beverly Cigler, professor of public administration and public policy at Penn State Harrisburg, as a Distinguished Alumna.

Richard Foxx will be the invited speaker in late November at a joint conference of the Japanese Association for Behavior Analysis and the Japanese Society of Behavioral Medicine in Tokyo. He also has been appointed to a three-year term as editor-in-chief of *Behavioral Interventions*, an international journal.

Professor

continued from page 1

sionals in the field — people who are charged with the task of extracting petroleum and gas from reservoirs deep within the Earth's crust.

Stahl teaches brain-straining formulas for predicting oil flow and expediting its recovery. In the field, it's up to Stahl's engineers to figure out how to get those reserves to a refinery to be broken down into components the average person recognizes — substances like gasoline, kerosene, heating fuel and lubricants. Over the last half century, Stahl has touched the lives of a large number of the people who now lead the industry in companies like Texaco, Mobil, Exxon and Marathon Oil.

The veteran professor, who often waxes poetic on the art of teaching, was recently honored by some of the top professionals in the petroleum industry, all former students who returned to the University Park campus to pay tribute to a man they say took the time to not only teach them, but to help them believe in their own abilities. Those who could not attend, like Sammi Raza, wrote touching letters.

"Of all my professors and mentors, I have the greatest regard for your teaching style, understanding of fundamental concepts and communication skills," Raza, an engineer with Saudi Arabian Oil Co., in Dhahran, Saudi Arabia, wrote. "I mentally pass compliments given to me on to you for having taught me so well and so thoroughly."

Another wrote, "I want to thank you for that inspiration and leadership you so graciously commanded among your students. Everything you gave us enabled each of us to become whatever we wanted."

Words like "inspiration" and "true leader" flow freely from the lips and pens of former students and colleagues in an occupation full of individuals that Stahl calls "conservative."

William Tosch, who spent 23 years in the industry, remembers when he became a "student" of Stahl's. Tosch, now a former Penn State professor, sat in on a 15-week, 400-level course taught by Stahl in preparation for his own teaching stint the next semester. Tosch said he thought he knew plenty about being a reservoir engineer, but Stahl proved different, showing the seasoned industry expert more about how "the stuff flows" than Tosch ever picked up in his 23 years on the job. Tosch recalls that one student that same semester had the audacity to ask what text would be used for the class. Stahl's brassy reply?



In action

C. Drew Stahl has been teaching for five decades.

Photo: Greg Grieco

"Young man, I am the text. I will tell you what you need to know and that will be all you need to know about this subject."

Stahl is not shy about sharing the knowledge he possesses and proudly says the notes from his classes travel to countries all over the globe. "I've been told that their notebooks are their Bible," Stahl remarked. "Still relevant and one of the most useful things they take away from here."

But Stahl's self-assured style gives way to a gentler side, one that colleagues say benefits everyone who passes through his classroom door.

"Teaching 50 years is such a remarkable milestone," said Turgay Ertekin, professor and chairman of the petroleum and natural gas engineering program in the College of Earth and Mineral Sciences.

"The most remarkable part is that he is truly concerned about the success of his students. The fact that so many of our graduates hold leadership positions in the industry proves that he is extremely successful at what he does. He is an inspiration."

Stahl, who dodges questions about his age with a caggy "Let them figure it out," said he loves teaching because, for one thing, "it's not immoral, fattening or bad for you." But mostly, Stahl said teaching is a tremendous responsibility, one he shoulders without hesitation. In fact, teaching is one of the loves of his life, in addition to Barbara, his wife of 49 years.

"You can think this sounds dumb or corny, but for me there is a certain kind of magic to teaching," Stahl said. "It is magic when you see the lights coming on and a student solves a problem. It's magic when they suddenly get it and it all makes sense."

"People may scoff or snort when someone says, 'Oh, he's a professor at the University.' But I'd say that professor is a pretty damned important guy."

Sitting in his 8 a.m. class — a

time he always requests for his sections to be held — students, with pencils poised, don't look at all bleary-eyed. They know that to keep up with a fast-paced lecture from Stahl, complete with formulas, theories and lots of chalkboard scrawl, requires an alertness usually only possessed by hunting dogs. Still, the exchange of knowledge Stahl lives for has not yet occurred during his 10-minute spiel on water/oil ratio. The lights are not yet on. Just to get a rise, he mixes in some Latin and some Penn State facts about how the formulas they are currently using were developed at University Park.

"I hear some noises of faint breathing, but it's not too strong for a Wednesday and that concerns me," Stahl said, urging his class to dig deeper for the response he is seeking. "If you hang in there, you will come up with an equation."

Finally, a student is illuminated and gives the answer to Stahl's water/oil ratio problem. The professor smiles.

"Touching peoples' lives, that's basically what you're doing," he said.

Through his 50 years of teaching, the grizzled professor has come to view the job differently. Although he has always loved teaching, he said he slowly realized that being in front of a group of young people who, "by and large believe what you are telling them, is a pretty big responsibility."

"I often tell young instructors coming in that if they want to be a success, there are two major requirements: 1) you must be totally dedicated to the institution, the college and the department; and 2) most important, you have to love the students and really care for them."

"Now some are easier to love than others," Stahl admitted. "But you have to care about each and every one. If you do these two things, it's the best job in the whole world."

Private Giving

Shenango gets \$119,000 boost for scholarship

William F. Shannon, human services consultant, Physician's Dialysis Center, Sharon, Pa., has given more than \$119,000 to the Penn State Shenango campus to endow a nursing scholarship to help those in the health field continue their education.

The scholarship, named in memory of his mother, the late Anna Stewart Shannon, was created to benefit academically promising nursing students who have financial need, continue with their education in Penn State Shenango's bachelor of science nursing program. This endowed scholarship is the first "program specific" scholarship ever established at the campus.

William Shannon was born and reared in Sharpsville, Pa. He received his bachelor of arts degree from Penn State in 1958 and a master of social work from West Virginia University in 1971. Shannon began working for the Pennsylvania Department of Welfare, Sharon branch, in 1958. Over the next 25 years, Shannon would continue to work for the welfare department in the Mercer County and Harrisburg offices. In 1986, he returned to the Shenango Valley and began his work as a consultant for the Physicians Dialysis Center in Sharon, Pa. He resides in Hermitage, Pa.

Penn State Shenango's registered nurse baccalaureate degree started as a pilot project in 1978 with a handful of students. The program now has more than 200 active full- and part-time students and nearly 500 graduates.

Attorneys give to Dickinson scholarship fund

Lawyers from the law firm of Stevens & Lee have donated \$97,500 to the Dickinson School of Law to add to the endowment of the Sidney D. Kline Scholarship Fund, established by the firm in 1993.

The Kline Scholarship, awarded annually on a competitive basis to a rising second- and rising third-year student, was established in honor of the late Sidney D. Kline, a member of the law school class of 1926 who died in 1992. A law school trustee, Kline was a prominent Reading, Pa., attorney, banker and philanthropist who served in crucial leadership roles at the law school, most notably as general chairman of its Library-Advocacy Center fund drive and as chairman of the board of trustees finance committee. In 1963, the law school awarded him an honorary doctor of laws degree. The General Alumni Association bestowed on him its Outstanding Alumni Award in 1976.

Approximately one-third of Stevens & Lee's lawyers are graduates of The Dickinson School of Law.



LECTURES

Former ambassador, writer to speak Nov. 5

As part of the continuing Distinguished Speaker Series on the University Park campus, Jeane J. Kirkpatrick, former U.N. ambassador and syndicated columnist, will appear at 8 p.m. Wednesday, Nov. 5, in Eisenhower Auditorium. Following her hourlong talk will be a 20-minute question-and-answer period. Tickets are not required.



JEANE J. KIRKPATRICK

After serving more than four years as the United States representative to the United Nations and as a member of the Cabinet, Kirkpatrick resumed her position as Leavey professor at Georgetown University and as senior fellow at the American Enterprise Institute (AEI), both positions she held prior to the first Reagan administration.

In addition to her responsibilities at Georgetown and AEI, Kirkpatrick is finishing a book on the U.S. role at the United Nations and in the world. She writes a syndicated column and lectures extensively throughout the country as she participates in the ongoing public dialogue on America's role in the world.

She was awarded the 1985 Medal of Freedom — the nation's highest civilian honor, and also has been given the French Prize Politique for political courage. She has received the award of the Commonwealth Fund and the Humanitarian Award of B'nai B'rith, among many other honors.

For more information on this event, contact Erin Grenoble at (814) 863-3786.

Archaeology speakers choose diverse topics

The Central Pennsylvania Society of the Archaeological Institute of America will once again present a varied selection of speakers on the University Park campus. In addition to support from the AIA, programs are co-sponsored by the Institute for the Arts and Humanistic Studies and the College of the Liberal Arts.

Events include:

■ Wednesday, Nov. 12, 8 p.m., 101 Kern Building: Paul Zimansky, Boston University, will speak on "City of the Grim Reaper: Rediscovering Mashkan-Shapir, Iraq." This lecture is co-sponsored by the Department of Classics and Ancient Mediterranean Studies.

■ January lecture and members' dinner to be announced.

■ Wednesday, Feb. 25, 1998, 8 p.m., 101 Kern Building: Stephen Lekson of the University Museum, University of Colorado, is presenting "Chaco: The First Great Southwestern Center." This lecture is co-sponsored by the Department of Anthropology.

■ Wednesday, April 1, 1998, 8 p.m., 101 Kern Building: A visiting scholar of the departments of anthropology and history, Ludmila Koryakova, will present a lecture on Bronze Age kurgans in Central Asia.

Cookies and beverages are available at all programs, and the public may attend the lecture following the talk. The public may attend all programs except the members' dinner.

Talk radio discussion Nov. 18

With call-in shows clogging the airwaves and Rush Limbaugh reaching an audience of 20 million each week, it's hard to ignore talk radio. On Tuesday, Nov. 18, the Pennsylvania Center for the First Amendment at Penn State will host a roundtable discussion to explore the political, social and legal questions raised by this dynamic medium.

The roundtable — "Talk Radio: Political Participation or Pointless Pontification?" — will take place at 7:30 p.m. in Room 112 of the Kern Graduate Center on the University Park campus. The event is free to the public.

Panelists will include Clay Calvert, assistant professor of communications and associate director of the Pennsylvania Center for the First Amendment; Robert O'Connor, associate professor of political science, who specializes in American politics; and Kevin Nelson, co-host of the popular local morning talk show, "Lion Country Comments," on WRSC. A fourth panelist from National Public Radio has been invited, and will be announced at a later date.

Assault counselor to speak at Hazleton

In observance of Sexual Assault Awareness Week (Nov. 3-7), Penn State Hazleton will host a lecture by Katie Koestner, a date-rape survivor and sexual assault prevention advocate, on Monday, Nov. 3 at 8 p.m. in the Campus Gymnasium. The event is free to the public.

A 1994 magna cum laude and Phi Beta Kappa graduate of the College of William and Mary, Koestner has presented her acclaimed program "No/Yes," to several thousand students at more than 400 colleges, high schools and military institutions in 46 states. The in-depth session is followed by a question-and-answer period.

Aspects of dementia explored Nov. 4

Tony L. Strickland, associate professor of psychiatry at the Charles R. Drew University of Medicine and Science, will present "Ethnobiologic and Sociocultural Aspects of Dementia" from 9 to 10 a.m. Tuesday, Nov. 4, in 110 Henderson Building (Living Center) on the University Park campus. A reception will immediately follow the presentation.

Strickland has extensive clinical and research experience in the areas of ethnobiologic variations in response to psychotropics, stress and neuroendocrine reactivity, forensic neuropsychological evaluation, with a particular emphasis on the cerebral perfusion and neuropsychological consequences of cocaine and other drugs of abuse.

Art history lecture topic is "Women Under the Gaze"

Paolo Berdini will present a lecture, "Women Under the Gaze: A Renaissance Reading of Genesis 3," at 7:30 p.m. Tuesday, Nov. 4, in the Palmer Lipson Auditorium in the Palmer Museum of Art on the University Park campus.

Berdini's lecture is part of the 1997-98 Department of Art History Lecture Series, "Picturing Knowledge: Art, Science, Cognition." Berdini, assistant professor of art history at Stanford University, writes on and teaches renaissance, baroque and modern art and architecture. His book, *The Religious Art of Jacopo Bassano: Painting as Visual Exegesis*, was published this year by Cambridge University Press.

The lecture is free to the public. A reception will follow the lecture.

Noontime lectures planned for November

The Population Research Institute has scheduled the following noontime lectures for the fall semester in 406 Oswald Building on the University Park campus:

■ Nov. 4: Bruce Western from Princeton University, and Katherine Beckett from Indiana University will present "The Penal System as a Labor Market Institution: How Unregulated is the U.S. Labor Market?"

■ Nov. 11: Joe Schafer from the Penn State Department of Statistics will present a brown-bag lunch seminar on "Introduction to Multiple Imputation for Missing-data Problems."

Cultural chaos discussed at Berks Nov. 5

Cultural chaos is plaguing American college campuses and there isn't a solution in sight. So says Phoebe Eng in her presentation "The Diversity Time Bomb: Working with the Chaos" at 1 p.m. Wednesday, Nov. 5, at the Penn State Berks campus Perkins Student Center Theatre.

The presentation includes anecdotes of Eng's own experiences as an Asian American woman in the varied fields of law, media and academia. Author of *Bluntly Speaking* and former publisher of *A Magazine*, Eng offers active solutions to the issues of race and diversity. Admission is free to the public. For more information, call Doreen Fisher at (610) 396-6067.

Berks breakfast series explains Internet 2

The Breakfast with Penn State series presents "Internet 2: What It Is and What It Means to You" by J. Gary Augustson at 7:30 a.m. Tuesday, Nov. 11, in the Berks campus Perkins Student Center.

Augustson is executive director of computer and information systems for Penn State and has played a key role in making the University a leader in national networking activities. He will discuss his goal to build an information technology infrastructure that will support Penn State's academic and administrative activities.

For reservations, call Doris Fraser at (610) 396-6050. There is no admission charge. For more information, call Jeff Deitrich at (610) 396-6056.

Globalization of economy to be examined Nov. 11

John Harris, Penn State Harrisburg associate professor of professional accountability, is the Nov. 11 speaker in the School of Business Administration's "Current Issues in Business" lecture series at the Penn State Harrisburg Eastgate Center.

Harris' noontime presentation will focus on the "Impact of Global Forces on Domestic Tax Policy." Globalization of the world economy has altered investment and production activities. It is also likely to alter national, state and local tax policies.

"Implications for the United States include pressures to alter basic tax structure and to shift tax burdens," Harris said. "Responding to these pressures will move debate over tax policy from the national level to the global level and challenge conventional interpretations of sovereign powers."

More Lectures

Biological diversity is topic of colloquium

Thomas E. Lovejoy, a tropical biologist and conservation biologist, will speak on "Biological Diversity and the Wealth of Nations" in the Life Sciences Consortium's Colloquium Nov. 11.

The colloquium will be videoconferenced from 101 Thomas Building to Room L-3621 at The Hershey Medical Center and to several other campus locations at 4 p.m.

Lovejoy has worked in the Amazon of Brazil since 1965. He is generally credited with having brought the tropical forest problem to the fore as a public issue, and is one of the main



THOMAS E. LOVEJOY

protagonists in the science and conservation of biological diversity.

He conceived the idea for the Minimum Critical Size of Ecosystems project, a joint research project of the Smithsonian Institution and Brazil's National Institute for Amazon Research. This program is considered a centerpiece of the newly emerging discipline of conservation biology.

He is the founder of the public television series "Nature," and for many years served as principal adviser to the series. He is the author of numerous articles and is author or editor of four books.

Chemistry speaker series to cover a variety of topics

The Chemistry Department is hosting a colloquium series during the 1997-98 academic year. Unless noted, the talks — which are open to the public — will be held on Thursdays in S5 Osmond Laboratory and begin at 12:15 p.m. Refreshments will be served at noon.

■ Oct. 30

Arthur B. Ellis of the University of Wisconsin at Madison will discuss "Chemical Sensors Based On Semiconductor Photoluminescence."

■ Feb. 5, 1998

Mark A. Ratner from Northwestern University will talk about "Electron Transfer, Molecular Wires and Dissipation."

■ Feb. 12

Frances H. Arnold of the California Institute of Technology will discuss "Design by Directed Evolution."

■ Feb. 19

Digby D. MacDonald from Penn State will talk about "Passivity: The Reason for Our Metals-Based Civilization."

■ March 5

Robert T. Paine Jr. from the University of New Mexico will talk about "Expression Through Synthesis: From Molecules to Polymers to the Solid State."

■ March 19

Franz Hillenkamp, Institut für Medizinische Physik und Biophysik, Universität Münster, will discuss "MALDI

Mass Spectrometry: Great Applications But Little Understanding."

■ March 26

Hazel M. Holden from the University of Wisconsin at Madison will give a presentation on "Carbamoyl Phosphate Synthetase: A Long Journey from Substrate to Product."

■ April 2

James B. Anderson from Penn State will talk about "Quantum Monte Carlo."

■ April 13, 1998 (Monday)

Tobin J. Marks from Northwestern University will discuss "Molecular Self-Assembly Routes to Optically Functional Materials."

■ April 23

Samuel H. Gellman from the University of Wisconsin at Madison will give a talk on "Heteropolymer Folding: Proteins and Beyond."

■ April 28, 1998 (Tuesday)

Amos B. Smith III from the University of Pennsylvania will talk on "The Design and Synthesis of Nonpeptide Peptide Mimetics: From Neuropeptide Hormone Agonists and Antagonists to Inhibitors of Aspartic Acid Proteases."

■ April 30

Lloyd M. Smith from the University of Wisconsin at Madison will talk about "Making DNA Fly: Electrophoresis in Thin Air."

Is the Internet protected by First Amendment rights?

John Frohnmayer, former chairman of the National Endowment for the Arts, and David S. Touretzky, Carnegie Mellon professor and research scientist, will meet at Penn State Erie, Behrend College, at noon Wednesday, Nov. 5, in a debate about "Policing Cyberspace: The Internet and the First Amendment." The free debate draws on each man's personal experience in dealing with rapidly changing computer technology and will take place in the Reed Union Building Commons.

A seasoned trial lawyer, Frohnmayer has had a frontline role in the war over America's culture and is now a speaker, writer, legal scholar and ethicist. His book, *Leaving Town Alive*, describes the turbulent conflict of art and politics. A second book, *Out of Tune: Listening to the First Amendment*, is intended to stimulate discussions on issues of public importance.

Touretzky found himself in the center of a controversy when he opposed the Carnegie Mellon administration's decision to censor sexually explicit images on university computer systems. That decision received national media coverage and fueled heated debate in academia.

"Policing Cyberspace: The Internet and the First Amendment" continues the 1997-98 Penn State-Behrend Speaker Series. The debate also will be broadcast live by the college's radio station, AM1450/WFSE.

"Australia's Asian Futures" to be discussed Nov. 6

David Walker, professor of Australian studies at Deakin University, will discuss "Australia's Asian Futures: National Legacies versus New Imperatives?" at 4 p.m. Thursday, Nov. 6, in 102 Weaver Building on the University Park campus.

Professor Walker, a distinguished Australian cultural historian, directs the Centre for Australian Studies at Deakin University in Geelong, Victoria, and is currently visiting at Georgetown University. His scholarly work has ranged from major monographic research and publication to journal editorship to bibliographic compendia.

The lecture, which is open to the public, is sponsored by the Australia-New Zealand Studies Center. For additional information, contact Patricia Corbett at phone: (814) 863-1603; e-mail: pac9@psu.edu.

Civil engineering talk set for Nov. 6

Penn State's chapter of the American Society of Civil Engineers will sponsor a talk by Edwin McLaughlin, CEO of Tidewater Construction Co., at 7 p.m. Thursday, Nov. 6, in the Applied Research Laboratory Auditorium on the University Park campus.

As president and CEO of Tidewater Construction Corp. (TCC) in Virginia Beach, Va., Penn State engineering alumnus McLaughlin oversaw the May 1996 expansion of the \$72.7 million George P. Coleman Bridge in Yorktown, Va. Speedy work on this project was crucial: not only was the shortest detour around the closed bridge 75 miles long, but the state department of transportation also imposed an \$8,000-per-hour penalty for exceeding a 24-day maximum closure.

In addition, construction efforts had to avoid disturbing peregrine falcons nesting nearby, as well as Lord Cornwallis' Revolutionary War fleet, scuttled beneath the bridge. TCC created an innovative solution to all these constraints, constructing the bridge 34 miles downstream and floating its six spans into place at barges. Under McLaughlin's direction, the expanded bridge was ready for traffic after only nine days of closure, allowing TCC to garner a substantial \$4,000-per-hour early-completion bonus.

Partial funding for this event has been provided by the student activity fee. For more information, contact Martha Gross at meg141@psu.edu.

Millennium discussion to take place Nov. 7

"The Coming of the Millennium: The Religious Significance of the Year 2000" will be the topic of the Joanne and Paul Tanker Lecture on Friday, Nov. 7 at University Park. The lecture, which begins at 9:05 a.m., will be held in 111 Bouckee Building and is sponsored by the Jewish Studies Program and Hillel Penn State.

Franklin Littell, president of the Philadelphia Center on the Holocaust, Genocide and Human Rights, will speak, as well as Rabbi Leon Klenicki, interfaith affairs director for the Anti-Defamation League of B'nai B'rith. A discussion will follow the presentation at 10 a.m.

Outstanding Alumnus to present seminar Nov. 7

Richard G. Saacke from Virginia Tech, recipient of a 1997 Outstanding Alumnus Award from the College of Agricultural Sciences, will present a seminar, "Our Changing Perspectives on Male Fertility," at 12:45 p.m., Friday, Nov. 7, in 101 Agricultural Sciences and Industries Building on the University Park campus.

Saacke has earned recognition around the world for his research in the area of reproductive physiology with emphasis on the bovine male. He has received numerous awards for both his research and teaching programs.

For more information call Mike O'Connor at (814) 863-3913 or e-mail MOConnor@das.cas.psu.edu.

EMPLOYEE BENEFITS

A regular column provided by the Office of Human Resources

Benefits open houses

In conjunction with the annual benefits enrollment period, informational benefits open houses will be held from 8 a.m. to 4:30 p.m., Nov. 7, 12, 14 and 21 in 101 Kern Building on the University Park campus. Blood pressure screenings also will be available.

Representatives from the following organizations and companies will be on hand to speak with faculty and staff:

■ Health Care

Employee Benefits Division (Healthpass PPO and Plan A Hospital/Surgical/Major Medical) HealthAmerica (HMO) Penn State Geisinger Health Plan (HMO)

■ Dental Plan

Employee Benefits Division

■ Vision Coverage

National Vision Administrators (NVA)

■ Maintenance Prescription Drug Plan (MPDP)

University Health Services

■ Blood Pressure Screenings

Employee Benefits Division (Health Matters)

■ Employee Assistance Program (EAP)

Employee Benefits Division (Health Matters)

■ Life Insurance

Employee Benefits Division

■ Voluntary Accidental Death and Dismemberment Insurance (VADD)

CNA Insurance Company

■ Flexible Benefit Accounts

Employee Benefits Division

■ Retirement Plans

State Employees' Retirement System (SERS)

■ TIAA-CREF

■ Long-Term Disability

TIAA

■ Tax Deferred Annuities

Equitable

Fidelity

TIAA-CREF

VALIC

Vanguard

Faculty and staff at other campuses will have an opportunity to attend benefits sessions at their locations. The times and dates for these sessions will be announced.



Sprucing up

Keith Shaw, a painter in the Office of Physical Plant, recently painted the cattle barns off Orchard Road on the University Park campus. The fresh paint will offer the barn's exterior some protection from the weather, which has begun to turn winterlike.

Photo: Greg Grieco

Courses

Libraries

The University Libraries are offering the following series of seminars during the month of November to help library users learn more about the growing number of databases accessible through the Library Information Access System (LIAS) and on CD-ROM. LIAS searching techniques that enable users to maximize their searching power also will be presented.

To register or learn more about the seminars, send an e-mail to signup@psulias.psu.edu. If you have any additional questions, contact Doris Herr at (814) 863-0325. Seating is limited, so early registration is recommended. Information on the seminars also can be found by typing HELP WORKSHOP when using LIAS or on the Libraries' Web site at <http://www.libraries.psu.edu>.

All seminars will be held in Tower Room 402, Central Pattee Library on the University Park campus.

■ Chemical Abstracts: Nov. 4, 10 a.m.-noon

■ EndNote Bibliographic Software: This seminar is an introduction to software, which allows the automatic importing of citations from electronic databases such as MEDLINE, the manual inputting of new citation records, the formatting of references in manuscripts and the creation of bibliographies in more than 300 styles, Nov. 4, 1-3 p.m.

■ History databases: Nov. 5, 8:30-10 a.m.

■ Penn State Libraries Catalog in LIAS: Nov. 6, 10 a.m.-noon

■ NEXIS: Learn how to effectively negotiate the NEXIS library and file structure and search a full-text database. (Note: LEXIS/NEXIS is available only for Penn State faculty, staff and students engaged in course-related research. Participants must present a valid Penn State ID at the seminar.) Nov. 7, 10 a.m.-noon

■ Census Data on the Internet: Nov. 12, 8:45-10 a.m.

■ Congress and the Legislative Process on the Internet: Nov. 19, 8:45-10 a.m.

■ International Resources on the Internet: Nov. 24, 5:30-7:30 p.m.

Health Matters Programs

To register for the following program offerings on the University Park campus, please contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ Be Well Advised

Learn how the *Well Advised* self-care manual can help you make informed decisions about at-home treatment and entering the medical system at the appropriate time. The fee for the program includes a copy of the *Well Advised* self-care manual; meets Friday, Nov. 7, from noon to 1:30 p.m. in 110 Henderson Building (The Living

Center). Cost: \$10, reimbursable to HMO participants.

■ Meditation Series

Each session includes tips for achieving optimal health, followed by a weekly guided visualization and meditation. Meets Thursdays, Nov. 6-Dec. 18, from noon to 1 p.m. in 301-A Agricultural Administration Building. Cost: \$35, reimbursable to HealthAmerica HMO participants.

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs on the University Park campus, complete the registration form found in the back of the fall HRDC catalog, and fax to (814) 865-3522.

■ The "Sound" of Leadership, COM 044: Refine your quality qualities to create positive perceptions and develop interpersonal power. Nov. 17-21, 1:30-4:30 p.m., 319 Rider Building. This program meets for three sessions. Cost: \$119.

■ Exceptional Quality Service, CUS 001: Nov. 18, 8:30-11:45 a.m., 319 Rider Building. Cost: \$44.

■ Going with the Flow of Change, PRO 092: Nov. 18, 1:30-4:30 p.m., 319 Rider Building. Cost: \$44.

■ Communicating Under the Pressure of Changing Conditions, COM 047: Nov. 20, 1:30-4:30 p.m., 319 Rider Building. Cost: \$44.

■ Class gift

Seniors vote to fund new terrace for HUB

The Class of 1998 has voted to fund the construction of a terrace for the HUB, the Union Building expansion on the University Park campus as its class gift.

A majority of the ballots favored the terrace over three other possible class gifts. The terrace will be an outdoor study and eating area on the south side of the expanded HUB, with a view of the HUB lawn.

Construction now under way is adding 91,000 square feet to the HUB, including new facilities for the Paul Robeson Cultural Center. The HUB daily provides nearly 18,000 students, faculty and staff with study lounges, eateries, student organization offices and recreation space.

"I think the terrace was popular with our voters because it's included in the architectural plans already, so as soon as the HUB addition is completed, our gift will be there," said Paula Shaki, chair of the senior class gift committee. "Also, many students feel a strong connection to the HUB from spending a lot of time there between classes."

Shaki is a resident of Monroe, N.Y., and plans to graduate with a degree in journalism in May 1998. In addition to her student activities, she is a reporter with the *Centre Daily Times*.

Seniors are asked to pledge the balance of their \$50 general deposit toward the gift. Nearly \$10,000 has been pledged for the 1998 gift in this manner so far. The general deposit is held during a student's undergraduate years to cover unforeseen expenses, fees and emergency costs.

"We'll continue to raise money for the terrace during the rest of the academic year by focusing on appeals to student organizations and other creative efforts," said Shaki.



HUB terrace site

Paula Shaki, chair of the senior class gift committee, points out the location of the planned HUB terrace.

Photo: Greg Grieco

"This is a wonderful way for current students to share with future students," said William Asbury, vice president for student affairs. "The terrace is an excellent choice, because it will be an attractive and very heavily used area."

The other gift options presented to the seniors involved a display area for the recently-restored, mounted Pennsylvania mountain lion in Pattee Library; a courtyard between Whitmore Lab and Pond Lab; and a scholarship endowment. In addition

to accepting votes at various on-campus polling sites, this was the first year in which seniors could vote on a University-sponsored Web site devoted to the class gift.

Ideas for the class gift have been accepted by the Office of Annual Giving throughout the year. Approximately 100 people submitted ideas, which resulted in 35 distinct proposals being brought before the gift selection committee. The committee, consisting of 10 seniors and members of the faculty, staff

and administration, narrowed the options to the final four gift ideas on the ballot.

Senior class gifts have been a Penn State tradition for more than a century, and include the Old Main clock tower, the Nittany Lion Shrine and an endowment for preservation of the American elm trees on campus. The class of 1997 has raised nearly \$115,000 to design and construct a Peace Garden that will celebrate a peaceful and civil University community.

Faculty/Staff Alerts

Overview of Penn State's quality now available

An overview of Penn State quality indicators is now available from the Office of University Relations in the form of a Power Point presentation.

The collection of images outline Penn State rankings as determined by various magazines, books and surveys. For example, rankings of colleges and universities by *U.S. News & World Report*, *Business Week* and *Money* magazines are included in the presentation. Also included are recent rankings by *USA Today*, and books and college guides such as *The Best Hospitals in America* and *Interleague Programs at State School Prices*.

For copies of the presentation contact Cindy Hall, director of University marketing for Penn State, at chb3@psu.edu or by calling (814) 863-5680. The pre-

sentation also can be found on the Web at <http://www.psu.edu/ur/rankings/>.

Research/Penn State updating mailing list

Research/Penn State magazine, which won the 1997 Gold Medal for Special Interest Magazines from the Council for the Advancement and Support of Education, is currently updating its faculty/staff mailing list. The magazine is mailed in September, January and May. Faculty and staff who did not receive the September 1997 issue featuring the Hobby-Eberly telescope on the cover, and who would like to be added to the magazine's mailing list can contact Pitter Langheirich in research publications, 320 Kern Building, University Park, (814) 865-3477, or send e-mail to nmb1@psu.edu. Faculty and staff who would like to be taken off the mailing list may also contact the office.

Merger gives employees an additional HMO choice

The merger of The Hershey Medical Center and clinical operations with the Penn State Geisinger Health System has generated additional health plan choices for many Penn State faculty and staff members. Effective Jan. 1, 1998, the Penn State Geisinger Health Plan HMO will be a health care plan option for employees at certain Penn State locations and for those residing in certain counties where that plan has been approved by the Pennsylvania Department of Insurance.

The Penn State Geisinger HMO is being offered in addition to the health care choices previously provided by the University. This addition will expand the choice of health care providers for many faculty and staff. The directory for Penn State

Geisinger Health System providers, as well as directories for other health plans, are included in the Time to Choose materials for 1998, which were mailed to each benefit-eligible faculty and staff member. The open enrollment period extends from Nov. 1-21, to make changes that will be effective Jan. 1, 1998.

Faculty and staff are encouraged to review carefully the choices available to them. Additionally, representatives from the Employee Benefits Division and benefit plan providers will be available to speak to employees individually at the Employee Benefits Open houses. Please refer to the Employee Benefits column on page 6 of this edition of *Intercom* for the dates and times and locations of the open houses.

ARTS & ENTERTAINMENT

AT PENN STATE

Animated cartoon series

Kyle Eaddy's animated cartoons are displayed in the Hetzel Union Building on the Art Alley Panels, on the University Park campus through Nov. 2.

The exhibit, titled "Ninja Warrior," features a multitude of original cell cartoon art with background.

The Art Alley Panels are open for viewing during HUB operating hours: Sunday-Thursday from 8 a.m. to 10 p.m.; Friday and Saturday from 8 a.m. to 3 a.m.

Odyssey on WPSU

On "Othello's Shadows," the Nov. 2 episode of *Odyssey Through Literature*, host **Leonard Rubinstein** and **Francesca T. Royster** of the English department discuss the history of race in Shakespeare's play. Royster is the author of *Othello's Shadows — Race and the Cultural History of Shakespeare*.

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature. It airs Sundays at 6:30 p.m. on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania. The complete semester's schedule can be found on the Web at <http://fmickey.la.psu.edu/compilit/odyssey/odyssey.htm>.

Flute Ensemble

The 15 members of the Penn State Flute Ensemble, directed by **Eleanor Duncan Armstrong**, associate professor of flute, will present a program of chamber music for flutes at 8 p.m. Monday, Nov. 3, in the School of Music Recital Hall on the University Park campus.

Employing a wide range of instruments in the flute family (C-flute, alto, piccolo and bass), the Flute Ensemble will perform works drawn from the renaissance, baroque, classical and contemporary repertoire.

The concert is free to the public.

Two cultures blend

Russia and America blend in the art exhibit on display Nov. 3 through Dec. 19 in the Penn State Harrisburg Gallery Lounge.

New Yorker **Suzanne Scherer** and Russian **Pavel Oporov** are known for their research-oriented collaborative artwork. Their teamwork began in 1989 when Scherer received an award to become the first American to officially enroll in the Russian Art Academy.

Their work incorporates the medieval technique of egg tempera

through Dec. 10. His photographs include portraits and scenes from Costa Rica, Ecuador, Guatemala, Honduras, Mexico, Nicaragua, Panama and Peru.

A freelance photographer, Escudero has a Ph.D. in Spanish literature from the University of Virginia, and is currently a professor at Penn State.

An opening reception will be held from 7 to 8:30 p.m. Friday, Nov. 14, in Kern.

Bach's Lunch

The Penn State Concert Choir, directed by Professor **Douglas Miller** of the School of Music faculty, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, Nov. 6, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Evening of poetry

Poet **Lucille Clifton**, former poet laureate of Maryland, will present

"An Evening of Poetry" at Penn State Erie, Behrend College, at 7 p.m. Thursday, Nov. 6, in the Reed Union Building Lecture Hall. Her appearance, which is free to the public, continues the Creative Writers Speaker Series.

Clifton is author of 10 books of poems and more than 20 other books of fiction and non-fiction. Her collection, *Good Woman*, was a finalist for the 1978 Pulitzer Prize in poetry.

Clifton is the recipient of five honorary doctorates. In 1978 she was invited to read at the White House during the Carter administration's salute to poetry.

For more information about the series, call (814) 898-6108.

Composers' concert set

The School of Music's Composers' Concert will be held at 8 p.m. Thursday, Nov. 6, in the School of Music Recital Hall on the University Park campus.

Each semester, the concert presents new works by students of composition teachers **Paul Barsom** and **Bruce Trinkley**. This semester's program features a wide variety of works for varied ensembles and styles.

The concert is free to the public.

Comedy at Behrend

Leo wants Miriam. Heather wants Eddie. Bo wants relief and a hug (from anyone). Meanwhile, Miriam wants to meet her Prince Charming and live happily ever after. What's so difficult about that?

Audiences will enjoy a fast-moving, fanciful, and funny look at this tangled web of friends in "Only You," a contemporary comedy to be presented by the Studio Theatre at Penn State Erie, Behrend College, beginning Nov. 7. Performances are set for 8 p.m. Nov. 7, 8, 12, 13, 14 and 15, and at 2:30 p.m. Nov. 9 and 16.

Admission is \$5 for adults and \$3 for students. Tickets are available after Oct. 27 by calling (814) 898-6016.

Hazleton theatre

The Penn State Hazleton Society of the Arts and Department of Theatre Arts will present the play "Black Snow" by Mikhail Bulgakov, at 8 p.m. Wednesday, Nov. 12, through Saturday, Nov. 15, in the Campus Commons Building. Admission is \$4; \$2 for students and senior citizens.

For more information, contact Director **Stephen A. Schrum** at (717) 450-3054.

30 years of drama

The Penn State Beaver Masquers theatre group and Choral music group are celebrating 30 years of drama with a fall production of Thornton Wilder's *Our Town*.

Performances will be held at 9:30 a.m. Thursday, Nov. 13; 7:30 p.m. Friday, Nov. 14; and 2 p.m. Saturday, Nov. 15. Tickets are \$5 and may be purchased at the door.

The play is directed by assistant professor of speech communication **Harvey R. Kelly Jr.**

Following the show on Saturday, Nov. 15, a free reception is planned to reunite alumni of Masquers and Choral. The Penn State Beaver Office of University Relations is looking for Masquers and Choral alumni to invite to the reception. If you are an alumnus, or know of alumni, please call (412) 773-3815.

Folk/ethnic music

Jaffna will perform folk/ethnic music at Penn State Berks-Lehigh Valley College at 7:30 p.m. Wednesday, Nov. 19, at the Berks campus' Perkins Student Center Theatre and at noon at the Lehigh Valley campus' atrium.

While there is an Eastern slant to their sound, the ensemble known as Jaffna combines the members' different backgrounds to explore and celebrate a unique diversity of styles and influences.

Admission is free to the public. For more information, call **Doreen Fisher** at (610) 396-6087.



Wearable art

Kern Graduate Commons on the University Park campus will feature jewelry by **Denise Anew** from Nov. 5 to Dec. 10.

painting and guiding on wood panels with the 20th-century art practice of mixed-media construction.

Mallet Ensemble

The Penn State Mallet Ensemble, under the direction of **Dan C. Armstrong**, professor of music, will perform its annual fall concert at 8 p.m. Wednesday, Nov. 5, in the School of Music Recital Hall on the University Park campus.

Teri Stephens, a senior in music education, will be a featured soloist. The concert also will include selected solo performances by students from the percussion studio.

The concert is free to the public.

Jewelry on exhibit

Denise Anew's jewelry is on exhibit in the Kern Graduate Commons from Nov. 5 through Dec. 10.

Kern exhibition area hours are Monday-Friday: 8 a.m. to 11 p.m.; Saturday: 10 a.m. to 11 p.m.; Sunday: noon to 11 p.m.

Latin American photos

Javier Escudero, a Spanish native, will exhibit a collection of photographs titled "Faces of the Americas," in the Kern Graduate Commons on the University Park campus from Nov. 5

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, October 31

"Red Apple Juice," concert, noon, Kern Graduate Commons.

Todd Narehood, saxophone, student recital, 8 p.m., Recital Hall.

"Servant of Two Masters," by Carlo Goldoni, 8 p.m., Pavilion Theatre, through Nov. 1. For tickets, phone (814) 863-0255.

Saturday, November 1

■ Paquito D'Rivera and the United Nations Orchestra, 8 p.m., Eisenhower Auditorium.

Sunday, November 2

Audrey Rottschaefer, clarinet, student recital, 1 p.m., Recital Hall.

"Athletes in Action," 2 p.m., The Bryce Jordan Center.

■ "Odyssey Through Literature," 6:30 p.m., WPSU.

Monday, November 3

Flute Ensemble Concert, 8 p.m., Recital Hall.

Tuesday, November 4

The Neville Brothers, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Wednesday, November 5

Malet Ensemble Concert, 8 p.m., Recital Hall.

Thursday, November 6

The Penn State Concert Choir, Bach's Lunch, 12:10 p.m., Eisenhower Auditorium.

"Rice of Strangers," play, 5 p.m., Room 6, Theatre Arts.

Composers' Concert, 8 p.m., Recital Hall.

Friday, November 7

"Simple Gifts," concert, noon, Kern Graduate Commons.

Scott Schweigert, gallery talk, on "Four Centuries of Portraits at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

Nicole Hyde, voice, student recital, 8 p.m., Recital Hall.

Sunday, November 9

Oriana Singers Concert, 4 p.m., Recital Hall. For tickets, phone (814) 863-0255.

"Dancing! from Ballet to Broadway," hors'd'ouevres, dinner and concert, 5 p.m., The Penn State. For tickets, phone (814) 231-8224.

Marshall Urban, voice, and Carl Blake, piano, faculty recital, 8 p.m., Recital Hall.

SEMINARS

Friday, October 31

Richard C. Sansing on "Valuing the Deferred Tax Liability," 3:30-5 p.m., 333 Beam Business Administration.

Daniel Conway discusses his book, *Nietzsche's Dangerous Game: Philosophy in the Twilight of the Idols*, 4 p.m., 124 Sparks.

Dan Nadenicek on "Minnehaha Park: When Shifting Mores Meet Immutably Ideals," 4 p.m., 206 Walker.

Monday, November 3

David Adams on "Discretisation Techniques for Antisymmetric Tensor Field Theories," 2 p.m., 339 Davey Laboratory.

Randall Kamien on "T is for Twist: The Mystery of the Missing Chirality," 3:30 p.m., 339 Davey Laboratory.



Original artwork

Kyle Eaddy's animated cartoons are displayed in the Hetzel Union Building on the University Park campus through Nov. 2.

Tuesday, November 4

Tony L. Strickland on "Ethnobiologic and Sociocultural Aspects of Dementia" 9-10 a.m., 110 Henderson.

R. Eugene Rice and Dolores M. R. Spikes on "Changing Expectations of Faculty Roles and Responsibilities," 11:30 a.m. to 1 p.m., 301A Ag Administration.

Bruce Western on "The Penal System as a Labor Market Institution: How Unregulated is the U.S. Labor Market?" noon to 1 p.m., 406 Oswald.

Samin Erhan on "The Future of B Physics," 3:30 p.m., 339 Davey Laboratory.

Earl Harrison on "Carotenoids in Human Plasma Lipoproteins: Possible Relevance to Atherosclerosis," 4 p.m., 110 Wartik Laboratory.

Yun-Xin Fu on "Statistical Tests of the Hypothesis of Neutral Mutations," 4 p.m., 8 Mueller.

Paolo Berdini on "Women under the Gaze: A Renaissance Reading of Genesis 3," 7:30 p.m., Palmer Lipson Auditorium.

"Values in the Community — Can We All Get Along?" 7:30 p.m., All Purpose Room, East Halls.

Wednesday, November 5

■ Nicole Svoboda on "Pushkin's 'Mozart and Salieri' and the Creation of a National Literary Family," noon to 1 p.m., 316 Burrows.

Donald A. Bryant on "Low Temperature Physiology of Cyanobacteria," 12:20-1:10 p.m., 112 Buckhout Laboratory.

Akhlesh Lakhtakia on "PSU: Dal's Conception: Medusa's Layered Hairstyle," 3:35-4:25 p.m., 108 Sackett.

Laura J. Garace on "The Effects of High-Intensity Resistance Training on Energy Requirements in Older Men and Women," 4-5 p.m., The Living Center, 110 Henderson.

■ Jeane Kirkpatrick on "America's Role in the World," 8 p.m., Eisenhower Auditorium.

Thursday, November 6

Barbara Anderson-Siebert on "Ecological Literacy and Penn State: Creating a Green Print for the Future," 3:30 p.m., 360 Willard.

Robert Austin on "Adventures on Flatland," 3:30 p.m., 101 Osmond Laboratory.

■ David Walker, on "Australia's Asian Future: National Legacies versus New Imperatives?" 4 p.m., 102 Weaver.

Edwin McLaughlin, civil engineering lecture, 7 p.m., Applied Research Laboratory Auditorium.

Friday, November 7

Franklin Littell and Leon Klenicki on "The Coming of the Millennium: The Religious Significance of the Year 2000," 9:05 a.m., 111 Boucks.

Richard G. Saacke on "Our Changing Perspectives on Male Fertility," 12-15 p.m., 101 Agricultural Sciences and Industries.

Thomas Walther on "The Einstein-Podolsky-Rosen Experiment — On the Road to a Final Answer," 2:30 p.m., SS Osmond Laboratory.

Casey McCracken on "The Centre County GIS Project: The Early Years, 4 p.m., 206 Walker.

Nicholas Rescher on "Pragmatism in Crisis," 4 p.m., 124 Sparks.

CONFERENCES

Friday, October 31

PA Chamber of Business and Industry, The Penn State.

■ American Association for Chinese Studies, The Nittany Lion Inn, through Nov. 2.

Sunday, November 2

VOICES, 9 a.m., various locations.

Monday, November 3

Pasteurizer Operator's Workshop, The Nittany Lion Inn, through Nov. 5.

Tuesday, November 4

Penn State Golf Turf Conference, The Nittany Lion Inn, through Nov. 5.

EXHIBITS

HUB Art Alley Cases

HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Art Alley Panels

Kyle Eaddy on "Ninja Warriors," through Nov. 2.

Kern Exhibition Area

■ Photographs by Javier Escudero, Nov. 5 through Dec. 8.

Kern Flat Cases

Jewelry by Denise Arieu, Nov. 5 through Dec. 10.

Kern Tell Cases

Works in wood by Steve Strouse, Nov. 5 through Dec. 8.

Palmer Museum of Art

"Photographs by the Steiglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the Sixteenth through Early Twentieth Centuries," Special Exhibition Gallery I, through Dec. 21.

Zoller Gallery

"New Faculty of the School of Visual Arts Exhibition," Nov. 5 through Nov. 30.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Inclement weather information available from several sources

Members of the University Park campus community have several resources for the latest announcements on class or work delays or cancellations related to severe weather.

The most immediate source is WPSU-FM, Penn State's National Public Radio station, at FM channels 91.5; 90.1 in DuBois; and 106.7 and 91.5 in Altoona. Subscribers to TCI Cable Television in the State College and Bellefonte areas also can hear WPSU radio on TV Channel 7 between scheduled programming.

As soon as the decision is made to change class or work activities, that information will go to WPSU for immediate broadcasting. If necessary, WPSU will give periodic updates throughout the day or night. WPSU-FM reaches listeners throughout central and northern Pennsylvania, covering most of the normal communication radius to University Park. The station also reports on similar weather-related announcements for the Altoona and DuBois campuses.

Individuals also can call (814) 865-4000 to hear major weather-related announcements repeating information broadcast by WPSU-FM radio. The service is coordinated by the Department of Public Information and the Office of Telecommunications. Centre County media also will be notified and asked to broadcast any class or work changes related to severe weather.

"Basically, the University never closes," David Stormer, assistant vice president for safety services, said. "Even in recent storms when classes and offices were actually can-



On top of the forecast

You may not know the face, but if you watch Weather World on WPSU-TV you undoubtedly know the voice of Paul Knight, instructor of meteorology. Knight does the voice-overs for the program.

Photo: Greg Gresco

celed, essential services and operations continued as usual. For example, laboratory and farm animals had to be cared for, students in residence halls needed meals, and the many operating systems that support our buildings and laboratories had to continue functioning. Several units such as Safety Services, The Nittany Lion Inn and the Penn State Conference Center Hotel are always open."

Factors in the University's decision making differ greatly from those factors considered by area public schools, Stormer said. University officials look more closely at hazardous conditions, such as the downing of

electrical power lines and trees on the road, or the loss of street lighting and traffic signals.

During delays or closings, employees in essential services and operations are expected to report for work in most circumstances, and should contact their supervisor in advance with any questions about their status.

Employees also might review "Handling 'Weather Day' Absences" on the Web at <http://www.ohr.psu.edu/policy/hr/10.htm>. It spells out how time off and time worked are handled when there is an official closure.

Campaign contribution cards coming



Campaign contribution cards are being distributed on the University Park campus this week as the 1997 United Way Campaign moves into its major stage.

"With Penn State being the biggest employer in Centre County, the University Park campaign has a very obvious impact on our efforts," said John Haas, Centre County United Way Campaign chair. "Historically, approximately one-third of the money raised comes from the Penn State effort. Those who benefit represent a cross-section of all of Centre County."

Haas said efforts are being made to integrate the University Park campaign more directly into the county-wide program.

"Last year, for the first time, loaned executives from the University were assigned throughout the county and those from the community were assigned on campus. We are doing it again this year and it has been very positive in terms of coordination between town and gown."

The Penn State campaign steering committee also participated for the first time this year in the United Way's Pacesetter Campaign, raising more than \$10,000.

"We hope to involve additional University groups as part of our Pacesetter Campaign next year," Haas said.

Haas attributes the success of the United Way Campaign over the last several years to the University Park campaign.

"With a lot of hard work, we expect that success to continue this year," he said.

Faculty Senate receives plan for undergraduate education

A plan to upgrade and improve undergraduate education at Penn State that focuses on active learning, new approaches to teaching, and the idea of continuously improving both was presented to the University Faculty Senate at its Oct. 21 meeting.

The Senate discussed the proposal for an hour, focusing on two of the plan's 10 recommendations — one that requires first-year students to take a special first-year seminar and another that requires three credits in health sciences rather than the currently required four credits in health science and physical education.

But as intended, the Senate took no vote on the plan. Now the Senate will take the plan to the wider University for additional feedback and bring it back to the Senate for a final vote on Dec. 2. At that meeting the Senate's University Planning Committee will present a costing report on implementing the plan's recommendations.

Since February 1996, a Special Committee on General Education created by the Senate has been taking a hard look at undergraduate education at Penn State. The committee's 10 recommendations (*Intercom*, Oct. 16) are intended to ensure that the

general education program gives students both the skills they'll need in an increasingly competitive international economy and a broad understanding of scientific, cultural and artistic events and accomplishments.

Robert N. Pangborn, chair of the committee and associate dean for undergraduate studies in the College of Engineering, said the committee's report was a forward-looking plan that places a large emphasis on continually assessing and making adjustments in the curriculum where necessary to continue improving the quality of learning.

During the discussion, some Senate members urged that the first-year seminars be more cross-disciplinary than the committee language seemed to call for and also spoke against the committee's recommendation to restructure the health sciences requirement.

In response, Pangborn said that committee members want to encourage "as creative and cross-disciplinary a collaboration (on first-year seminars) as we can possibly inspire faculty to produce" and feel that they have proposed a flexible, broad-based health

sciences requirement that emphasizes an academic approach to health issues and allows physical activities that should focus on lifelong wellness and fitness.

Pangborn suggested that Senate members send possible amendments directly to him and Louis F. Geschwindner, chair of the Senate. He urged that amendment language be sent to the Senate office in advance of the Dec. 2 meeting. The meeting will be held at 1:30 p.m. in Room 112, Kern Building.

In other business, the Senate approved a policy revision that would allow no more than 91 credits of previous work to be applied to a degree for a student changing from one college to another, from one major to another, or from the Division of Undergraduate Studies from a College. The Senate also heard informational reports on faculty salaries by gender, faculty insurance and benefits, tenure issues, University Planning Council activities, and the University's 1997-98 budget.

To view the complete committee report, point your Web browser to http://www.psu.edu/president/cq/gen_ed/coer.htm.

Payload specialist wants input from students on flight kit contents

James Pawelczyk, the assistant professor in the College of Health and Human Development who was chosen to be a payload specialist aboard the U.S. Space Shuttle next year, needs help.

Pawelczyk, assistant professor of physiology and kinesiology, is the first Penn State faculty member ever selected to go to space aboard the shuttle. When he blasts off in the Space Shuttle Columbia on April 2, 1998, he will carry a Penn State item with him in the Official Flight Kit, and now Pawelczyk wants student input on what that item should be.

NASA allows certain kinds of items in the Official Flight Kit for safety reasons. The allowed types of items include: flags, banners, emblems, decals, seals, patches, small medals or medallions, anything made of cloth and anything made of paper (as long as it can be folded). The items will be hermetically sealed and will not be opened in-flight. After the flight, the item will be returned for display.

Students at all Penn State campuses are eligible to make suggestions. Faculty and staff are encouraged to make students aware of this unique opportunity. Suggestions received before Dec. 1, will be reviewed by President Graham B. Spanier and NASA to determine suitability for space flight. Students should send your suggestion via e-mail to Shuttle Flight Kit at np3@psu.edu; campus mail at Shuttle Flight Kit, 312 Old Main; or U.S. mail, Shuttle Flight Kit, 312 Old Main, Penn State, University Park, Pa. 16801.



JAMES PAWEŁCZYK

The items can relate solely to Penn State or to Penn State and some aspect of the shuttle mission. Some of the items previously flown by Penn Staters aboard the space shuttle and now housed in the collections of the Penn State Room in Pattee Library include: photographs, a flag, flight patches and bumper stickers.

Pawelczyk is one of two primary payload specialists on the Neurolab mission, designated STS-90. The other is Jay C. Buckey, associate professor of medicine at Dartmouth Medical School, who served as an alternate on the second Spacelab Life Sciences mission. Payload specialists conduct experiments in space on behalf of ground-based investigator teams.

Neurolab, a 16-day mission, is dedicated to research on the nervous system and behavior. Its goal is to increase the understanding of the mechanisms responsible for neural and behavioral changes in space. Pawelczyk has studied irregularities in blood pressure control associated with deconditioning. Many astronauts experience problems with blood pressure after returning from a flight, and some crew members have reported bouts of dizziness and unsteadiness for several hours after returning to Earth. To determine the cause of these changes, some of the experiments to be conducted aboard Neurolab will use the astronauts themselves as subjects.

Pawelczyk will be the first faculty member and the fourth Penn State graduate to fly aboard the shuttle.

Faculty Scholar Medal nominations sought

The president's office has put out a call for nominations for individuals eligible to receive the Faculty Scholar Medal, which recognizes scholarly and creative excellence. The medal will be awarded to individuals in up to five different scholarly areas, including arts and humanities, engineering, life and health sciences, physical sciences and social and behavioral sciences. For information on the deadlines for submitting nominations and accompanying materials, check with the Dean's Office in the individual colleges. Deans at University Park should submit final rankings of the recommendations from their areas to the Vice President for Research, 304 Old Main, University Park, Pa. 16802, by Jan. 8, 1998. This is a change from previous years when

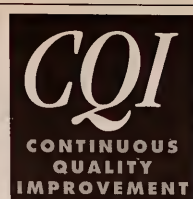
the deadline was early February. Campus executive officers and deans from areas outside of University Park, should submit recommendations to the dean of the Commonwealth College or the dean of the Graduate School (as appropriate) by Dec. 5.

The Faculty Scholar Medals, established by the Board of Trustees in 1980, will be given at the University Awards Program on Sunday, March 29.

Those eligible for the Faculty Scholar Medal include faculty members holding full-time academic appointments, with professorial, research or librarian titles, as well as individuals who are full-time instructors or assistant librarians. The achievement for which the faculty member is to be honored should have occurred or culmi-

nated during the preceding five years. Special attention should be given to the objective of honoring "a single contribution or a series of contributions around a coherent theme."

Nominations must include biographical data, a detailed description of the achievement itself and documented evidence in the form of letters substantiating the claim of the national or international importance of the achievement, specifically citing the value of the recent work. Renominations from the previous year are acceptable. A committee of faculty peers reviews nominations and selects candidates' names to be sent to the president. Selection panels, one in each of the five main scholarly areas, are currently being identified.



Quality Conference and Expo '98

On April 21, 1998, the Center for Quality and Planning will sponsor a Quality Conference at the Penn State Conference Center Hotel. The conference will precede the sixth annual Quality Expo, which will be held in The Nittany Lion Inn on April 22 on the University Park campus.

The conference theme is "Building Structures that Support Quality Initiatives in Colleges and Universities." An agenda is currently being planned and a call for proposals is being distributed to past and current CQI team sponsors and leaders. Proposals for presentations, workshops or panel discussions are solicited in four thematic strands that focus on processes and structures that support change.

You are invited to propose a session. Quality conference thematic strands are:

I. Leadership's Role in Gaining Institutional Support

Quality-Speak Leaders describe lessons learned using the Baldrige in education integration of quality principles into core processes;

II. The Customer Focus

Obtaining Customer Feedback; Responding to students as stakeholders; Collaborative learning industry/education quality partnerships; Improving services to customers

III. Teaming for Success

Creating an environment for teams; Maintaining team momentum

IV. Benchmarking Best Practices

Examples of best in class case studies in process benchmarking

If you would like to submit a proposal for a 60-minute concurrent session, interactive session, or workshop on any of these topics, or if you would like to discuss ideas for sessions in any of the conference themes, please contact Carol Everett, associate director, Center for Quality and Planning, at (814) 863-8721 or e-mail cqe2@psu.edu. Proposals are due Nov. 24.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LES1@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.

25-year Awards



LYNN M. DUBOIS



CHAR MYERS



WILLIAM SCHEUCHENZUBER



SANDY THOMPSON

Observing 25 years of service at the University are, from left: Lynn M. DuBois, assistant director, administration, Housing and Food Services; Char Myers, staff assistant VII with the Alumni Association; William J. Scheuchenzuber, research assistant in the Life Sciences Consortium, Office of the Vice President for Research; and Sandy Thompson, administrative assistant to the vice president for Development and Alumni Relations. Not pictured, but observing 25 years of service at the University, is Peggy L. Stewart, staff assistant VII, Office of Student Aid.

Readership

continued from page 1

members, who collectively have more than 119 years of newspaper and magazine experience. *The Times* foreign editor, book review editor and lead correspondent on college football will be among those to participate in what is being called *The New York Times in Residence: A Week of Outstanding Speakers* at Penn State (See box at right). The visits also will include public lectures yet to be announced.

According to Patsy Morton, education coordinator for *The Times*, the visits are a spinoff of the Residence Hall Newspaper Readership Program, which was launched by Penn State this fall. Under the program, the University provides daily newspapers — including *The New York Times* and *USA Today* — to students at its nine residential locations. Local papers, such as the *Centre Daily Times*, are also provided. The program was funded by adding \$5 a semester to student room and board rates.

"This is our effort to support the readership program, which has been significant for us in a number of ways," Morton said. "The program not only encourages students to read and get as much as possible out of the newspaper, but it also allows meaningful exchanges and real learning to occur," she said. "Our interest is really heightened in this program. This is the first time *The New York Times* has committed its resources to a program on a particular campus. *The Times'* staff, both the business side and the newsroom, have really focused attention on Penn State and the purpose of having a newspaper on campus."

Morton explained that through the readership program and the upcoming visits by its editorial staff, *The Times* hopes to encourage more faculty to integrate the use of newspapers into their course curricula and to use *The Times* as a teaching tool. Already, many faculty members on the University Park campus are using newspapers in their classrooms. James Eisenstein, professor of political science, is one of those faculty members.

In his "Introduction to Public Policy" course, Eisenstein considers *The Times* a required text for students, who are asked to apply concepts they have

learned in class to articles that appear in *The New York Times*, one of the nation's top-read newspapers.

As Eisenstein explains it, the value of using the newspaper to teach about the political system is that it illustrates for students how the average citizen obtains opinions and views on politics — through the media.

"If we use the metaphor of politics as a game, with all this implies — there are rules, outcomes, strategies, players, resources," Eisenstein said. "then we see that the newspaper plays a significant role. As an example, I ask students to look for the different strategies being used and they may look in the newspaper and see that there was a leak on some issue. That is one strategy. Or they may see that there is a conflict among Clinton's advisers on the stand he should take on global warming. This is a strategy of raising the visibility of the issue. We apply concepts from specific chapters to what we are seeing in the newspaper."

"By using the newspaper, we are applying knowledge — not just testing recall," he said. "Students are repeatedly asked to link course material and concepts to real-world public policy."

Eisenstein's use of *The New York Times* is spelled out in a booklet published by *The Times* on the use of the newspaper in the classroom. The booklet, which describes how faculty members from various institutions across the country are using the newspaper in their courses, is part of a program launched by *The Times* to increase the use of the newspaper, (what they call "a living textbook,") in the university classroom. Eisenstein is a recently named member of *The Times'* College Program Advisory Board, a group composed of 37 educators across the nation who have been selected to advise *The Times* on newspaper use in the classroom.

"From our end, we want to encourage students to read and get as much as possible out of the paper," Morton said. "By sending our editors and writers to campus, we think we can help students become more aware and involved, and also stimulate discussion on a number of issues."

The New York Times at University Park

Who's here

■ Monday, Nov. 3

Andrew M. Rosenthal, who was appointed foreign editor of *The Times* in May 1997 after having served as the paper's Washington editor since November 1992, has been with *The Times* since 1987 when he was a Washington correspondent.

■ Tuesday, Nov. 4

Felicity Barringer, who will be on campus on Nov. 4, became editor of *The Times'* Monday Business Day section in March 1995 after having served as deputy editor since June 1993. Previously, she had been a contributing correspondent to *The Times* since 1986, while based in Moscow.

■ Wednesday, Nov. 5

Cornelia Dean, editor of Science Times section of *The New York Times*, previously served as deputy Washington editor, deputy science editor and in various editorial positions in the science department and on the national desk since joining the paper in 1984.

■ Thursday, Nov. 6

Charles (Chip) McGrath, editor of *The New York Times* Book Review section since March 1995, was previously deputy editor of *The New Yorker* magazine for eight years. Before that, he held various positions at the magazine since his start in 1973.

■ Friday, Nov. 7

Malcolm Moran joined *The New York Times* in 1979 as a sports reporter. Since 1982, he has written the "Players" column for the paper and is its lead correspondent on college football.

Readership program benefits recycling efforts

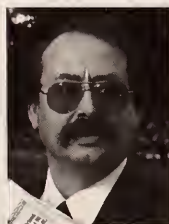
With more than 42 tons of newspapers recycled to date, Penn State's Residence Hall Newspaper Readership Program is encouraging increased recycling of other materials including cans and plastics.

At the University Park campus, an average of 1.3 tons of newspapers a day — about half of the 10,000 newspapers being distributed on campus through the readership program — is being recycled.

"There has been an increase in the amount of recyclable material collected across the board, most noticeably in plastics," Al Matyasovsky, foreman for solid waste management at the University, said. "We attribute the increase to the attention recycling has received due to the readership program and the emphasis on waste management."

The increase in recycled materials is modest, but significant — representing 1 percent to 2 percent of the total material.

Students living on campus have been receiving copies of *The New York Times*, *USA Today* and



AL MATYASOVSKY

the *Centre Daily Times* (local Centre County newspaper) since August. The papers are placed in residence hall lobbies — 44 locations at University Park alone — and the residence halls at eight other Penn State locations. The program was funded by adding \$5 a semester to student room and board rates, due to the low rates offered by cooperating newspapers.

Informal recycling programs had existed at Penn State since the early 1970s. In October 1989, a University-wide recycling policy and program were implemented in anticipation of requirements posed by Pennsylvania's Municipal Waste

Planning, Recycling and Waste Reduction Act. The act required educational institutions to recycle minimum levels of high-grade paper, corrugated cardboard, aluminum cans and leaf waste.

A special recycling program has been arranged to handle the additional newspaper volume created through the readership program. Millions of pounds of shredded newspaper are now being converted to "PennMulch." Sold to turfgrass professionals across the United States and Canada, the product was developed several years ago by George Hamilton, a Penn State researcher. In addition to recycling the newspapers, PennTurf, the company that manufactures PennMulch, promised to fund a student scholarship.

On Oct. 10 a PennTurf representative presented the first check for \$1,000, which is being matched by *The New York Times*, *USA Today* and the *Centre Daily Times* collectively. If Penn State readership and recycling totals hold out, new scholarships from the recycling company and newspaper publishers will be coming in every few weeks.

Appointments

Two join College of Engineering to aid development, communications

Two staff members have recently joined the College of Engineering Dean's Office to help with development and communication activities.



SHERRY BRENNAN

Sherry Brennan, assistant director of development, will seek major gifts for undergraduate scholarships, graduate fellowships, as well as faculty and other endowments in the College of Engineering. She also will seek to cultivate stronger ties with the college's alumni and with industry.

Over the past five years, Brennan has worked at Penn State in the Office of Prospect Development and the Office of the Senior Vice President for Development and Alumni Relations. She earned a bachelor's degree in English from Youngstown State University, Ohio, and a master's degree from Loyola University, Chicago.

Curtis Chan, a 1994 Penn State graduate with a degree in journalism, has been named writer/editor and will prepare press releases for the college and write for the college's publications, such as *Engineering Penn State* magazine and recruiting publications.

Chan previously worked as a copy editor for the *Centre Daily Times* in State College. As an undergraduate, Chan interned with the Office of University Relations at Penn State Berks and the Department of Public Information at University Park.



CURTIS CHAN

College of Education appoints coordinator of college relations

Nick McCarthy has been appointed coordinator of college relations for the College of Education. As coordinator, McCarthy will direct all college public relations activities, including publications, alumni relations and special events.

Before joining the College of Education,

McCarthy held the position of writer-editor for the University Department of Development Communications and Special Projects. In this role, she concentrated on preparing major gift proposals for the Division of Development and Alumni Relations.

McCarthy came to Penn State as a graduate assistant, and spent four years teaching undergraduate courses in rhetoric and composition for the Department of English and Continuing and Distance Education. Her teaching experience also includes English as a second language. Other career positions at Penn State include serving as publications writer and copy editor for *The Penn State* magazine.

A native of Cardiff, Wales, McCarthy holds a bachelor's degree in English and American literature from the University of Warwick, Coventry, England. She also has studied linguistics at the University of Flensburg, Flensburg, Germany. She is currently studying for a master's degree in English at Penn State.

DuBois welcomes leader for associate degree program

Jude W. Stauffer of St. Marys has been named program leader for the Penn State DuBois associate degree in materials engineering technology program. In addition to shouldering responsibilities for program development, Stauffer teaches courses in materials analysis, production processes, metallurgy, microstructures and material testing. He also directs the Powder Metal Initiative for Clearfield, Jefferson, Elk and Cameron counties sponsored by the Ben Franklin Technology Center at University Park.

While designed to expose students to the breadth of the materials field, the Penn State DuBois materials engineering technology program has responded to local industrial needs. The tri-county region surrounding Penn State DuBois is at the heart of the international press and sinter segment of the powder metal industry. The program is one of only a handful of associate degree materials engineering technology programs in the country.

Stauffer is a graduate of Penn State's ceramic science and engineering program. Before accepting his present position at Penn State DuBois, he worked as a research and development engineer with Keystone Thermometrics (formerly Keystone Carbon Co.) where he focused on product improvement, process improvement, material development, powder characterization and research and development. He has been a member of the DuBois materials engineering technology adjunct faculty since 1995.

He holds membership in the American Ceramic Society and ASTM International. He is a former member of the Industrial Advisory Board of the Industry/University Cooperative Research Center, Particulate Materials Center, at University Park.

to create "memories" that met ever-shifting needs and spoke to deeply felt values. In her book, Reardon shows that the story told today of Pickett's Charge is really an amalgam of history and memory. The evolution of that mix, she concludes, tells us much about how we come to understand our nation's past.

Guadalupe Martí-Peña, lecturer in the Department of Italian, Spanish and Portuguese, is the author of *Manuel Puig ante la crítica: bibliografía analítica y comentada*, published by Madrid and Frankfurt, 1997. Since the publication in 1968 of his first novel, *La tracción de Rita Hayworth* (Betrayed by Rita Hayworth, 1971) to his last, *Cae la noche tropical*, 1988 (*Tropical Night Falling*, 1991), the Argentine writer, Manuel

■ Alumni Fellow

Erie honors IBM Global Services general manager

Penn State Erie, Behrend College, has named Lloyd G. "Buzz" Waterhouse as its 1997 Alumni Fellow. Waterhouse, general manager of marketing and business development for IBM Global Services, visited the campus on Oct. 23.

Waterhouse, an Erie native, attended Penn State-Behrend from 1965-72. He earned his B.S. in finance from Penn State in 1973 and his MBA at Youngstown State University in 1980. Upon graduation, he accepted a position as a sales trainee with IBM. Through a quick succession of positions, including assistant to the chairman of World Trade Corp. and vice president for Academic Information Systems, Waterhouse has made significant contributions to the organization.



LOYD G. WATERHOUSE

One of the highlights of his career was a three-year post in Tokyo, where he served as general manager of marketing and services for Asia Pacific and president of the Asia Pacific Services Corp. for IBM. Upon his return to the United States, he became director of strategy.

As general manager of marketing and business development for IBM Global Services, Waterhouse is currently responsible for improving the visibility and image of IBM as a global solutions provider and for establishing a strong capability to deliver network-computing services to the marketplace.

Waterhouse served on the first board of visitors of the College of Business Administration at University Park. Today, he continues in that role for the Mary Jean and Frank P. Smeal College of Business Administration. He and his wife, Lorraine, who earned her degrees at Brown and Vanderbilt, were married on the Penn State-Behrend campus. They reside in Ridgefield, Conn., with their children Lynn, 12, and Brian, 11.

The Alumni Fellow Award, presented by the Penn State Alumni Association, is administered in cooperation with the colleges of the University. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Book Shelf

Carol Reardon, associate professor of history, is the author of *Pickett's Charge In History & Memory*, published by the University of North Carolina Press. Reardon examines the almost mythic importance attached to the charge by Confederate Gen. George E. Pickett on the last day of the Battle of Gettysburg (July 3, 1863). Her study reveals, by examining the events of July 3 through the selective and evocative lens of "memory," Americans can learn more about why Pickett's Charge endures so strongly in the American imagination.

Over the years, soldiers, journalists, veterans, politicians, orators, artists, poets and educators — Northerners and Southerners alike — shaped, revised and even sacrificed the "history" of the charge

Puig (1932-1990), has not ceased to seduce and unsettle critics and readers. Eight novels (three of them adapted to the screen), several plays, film scripts, essays and numerous interviews, construct and deconstruct an artistic itinerary characterized by the heterogeneous, multilayered and multifarious nature of Puig's writings.

Manuel Puig ante la crítica is an extensive revision of critical material published in Spanish, English, French, Italian and Portuguese from 1968 to 1996. This book underscores how fruitful it is to approach Puig's polysemic writings from a variety of interdisciplinary perspectives. Puig's texts constitute the stage where modern and postmodern aesthetic, ethical, social, political and gender conflicts are incessantly reenacted.

■ Outreach

Cooperative Extension program saves family from nighttime fire

Most people don't consider a county extension agent a lifesaver. But, don't tell that to the Jeff Cole family of St. Marys.

Four members of the family, including a newborn baby, escaped serious harm in a house fire thanks to a smoke detector program initiated and coordinated by Barbara Miller, family living agent in Elk and Cameron counties.

Under the program, which is supported by area service clubs, parents of newborn infants are given the smoke detectors before they leave the hospital. Since its inception in 1994, more than 200 detectors have been distributed.

"Before the new mother leaves the hospital, the family is given a smoke detector because at that point parents have more incentive to do the proper thing. They are motivated to do what is right for their child," Miller said.

According to Steve Gerg, chief of the Crystal Fire Department in St. Marys, Cole was awakened by the smoke detector, which he had not yet installed, but was on a shelf in the basement.

"He went to the kitchen, opened the door to the basement and was greeted by flames," Gerg said. "He quickly got his family out safely and called the fire department. We responded and extinguished the fire, which caused extensive damage."

Miller said she got the idea for the program from a national program, the Smoke Alarm for Every Home Foundation, which was established in Clearfield County in 1990 and is now based in Amherst, N.Y. The foundation promotes the use of smoke alarms in every home in an effort to reduce the number of deaths caused by fires.

"As a family living agent, I have a real concern for health and safety," Miller said. "In informing new parents on what to expect with their child, we combine child development information found in our extension publication, *Visits with You and Your Baby*, with information on safety in the home."

According to the U.S. Fire Administration, fire and burns are the second leading cause of accidental death for children under age 5 in the home.

"The foundation gave me statistics showing that having a working smoke detector in a



Check 'em regularly

A smoke detector provided through a Cooperative Extension program saved the lives of the Cole family in St. Marys. Safety experts recommend that smoke detectors be installed on each floor of your home. Experts also say smoke detector batteries should be checked when clocks are changed to Daylight Saving Time in the spring and again when they switch back to Standard Time in the fall. If you didn't check your smoke detector batteries when you changed your clocks last weekend, now would be a good time to do so.

Photo: Greg Grieco

home cuts the risk of dying in a fire in half. Yet, an estimated 60 percent of homes in this country don't have a working smoke detector," Miller said.

Miller took that information to the Rotary, Lions and Kiwanis clubs in Elk County and convinced them to support the program. Funding also is provided by the auxiliaries of the St. Marys Regional Medical Center and the Elk County Regional Medical Center in Ridgway.

"I felt strongly about the value of the smoke detector program," Miller said. "While it was not a normal function of the extension office, someone was needed to get the program moving and to coordinate it. I was able to get the necessary support and I serve as coordinator, issuing quarterly reports to the service clubs and the hospitals."

When the program first

began, the smoke detectors were available at the Elk County Extension Office for first-time parents to pick up.

"It was not very convenient, so response was limited," Miller said. "Now we provide them at the hospital and it has been much more effective. I work with hospital personnel and keep them supplied with the detectors and information on proper installation."

Miller was out of town, at the time of the fire, but a member of her advisory board told her that a detector provided through the program saved the family from harm.

"In seeking support for the program, I always pointed out that if it saved one life it was worth the effort," she said. "You can imagine how happy and thrilled I was to hear that four lives had been saved."

Promotions

Staff

Joann Parsons, assistant coordinator, research funds in Eberly College of Science.

Katharine L. Porter, study abroad adviser in Office of the Dean of International Programs, Office of the Executive Vice President and Provost.

Diane E. Reese, staff assistant V in Intercollegiate Athletics.

Deborah R. Richards, staff assistant VII in Registrar's Office, Vice President and Dean for Enrollment Management and Administration.

Kimberly S. Rider, staff assistant VIII in the Applied Research Laboratory.

Dianne L. Rossman, staff assistant VII in Registrar's Office, Vice President and Dean for Enrollment Management and Administration.

Vincent Scalomagna, manager, ice pavilion in Intercollegiate Athletics.

Paul J. Sharum, network coordinator in Computer and Information Systems-Telecommunications.

Patricia A. Shawley, staff assistant IX in Intercollegiate Athletics.

Susan K. Shirk, information systems support consultant in Computer and Information Systems-Administrative Systems.

Ann L. Smith, study abroad adviser, in Office of the Dean of International Programs, Office of the Executive Vice President and Provost.

Carolyn J. Smith, staff assistant VI in Intercollege Research Programs.

Stephanie R. Smith, staff assistant VI in College of Engineering.

Patricia Snare, staff assistant VI in Eberly College of Science.

James R. Snyder, lead applications programmer/analyst in Office of Budget and Resource Analysis.

Karen L. Sones, academic counselor in College of the Liberal Arts.

Jayashree Sonti, accountant in Corporate Controller's Office.

Kathryn N. Stocker, staff assistant VIII in Division of Development and Alumni Relations.

Annette L. Struble, staff assistant VI in University Relations.

Patricia A. Taverno, staff assistant VI in University Relations.

Michael L. Vanatta, materials processing engineer in the Applied Research Laboratory.

John D. Van Eck, applications systems analyst in Intercollege Research Programs.

Kathleen M. Vaughn, staff assistant VI in Continuing and Distance Education.

Jill R. Welsh, research support assistant in Intercollege Research Programs.

Nicki E. Williams, staff assistant IV in College of Arts and Architecture.

Sandra D. Wingard, computer support specialist in College of the Liberal Arts.

Technical Service

John W. Beschler, assistant tunnel operator B in the Applied Research Laboratory.

Rickey C. Coon, machinist A at Penn State Erie, Behrend College.

Brady L. Crain, recycling collector in the Office of Physical Plant.

Albert W. Dreiblel, horticulture aide/machine operator in College of Agricultural Sciences.

Gerald E. Houck, groundskeeper/landscape A in the Office of Physical Plant.

Thomas A. Houck, barn worker/milker in College of Agricultural Sciences.

Michael S. Neff, groundskeeper/landscape A in the Office of Physical Plant.

John A. Rossman, recycling collector in the Office of Physical Plant.

Sandra J. Sternberger, utility worker in the Office of Physical Plant.

Oaks' defenses help gypsy moth caterpillar fend off potentially deadly virus

By ANDREA ELYSE MESSER
Public Information

The relationship between gypsy moth caterpillars, the virus that kills them and the oak leaves they feast on is more complicated than expected, and leaf enzymes as well as tannins play an important role.

"We know that the tannins in oak leaves inhibit gypsy moth growth, but that they also provide protection against the nuclear polyhedrosis virus," said Heidi Appel, research associate in entomology in the College of Agricultural Sciences.

Oak trees make more tannins when gypsy moths chew on them and the tannins slow caterpillar growth, reduce the number of eggs and lead to less successful young. The trees' response should be inhibiting the caterpillar, but it takes much more virus to kill the caterpillars when they are eating tannins. The oak trees' defense — tannin — actually lets the gypsy moth caterpillar survive.

Nuclear Polyhedrosis virus, *L. INDIU*, is commonly called with a case because the caterpillar turns into a sack of virus and slumps over. This naturally occurring virus is acquired when caterpillars eat the dormant virus left on leaves by previous victims. When the caterpillar eats the virus, together with the oak leaf and its tannin, the virus becomes activated.



Heidi Appel, research associate in entomology, spots a gypsy moth caterpillar on an oak leaf.

Photo: Greg Grieco

"We thought the tannin acted by itself, that it did something to the viral proteins," Appel said. "It turns out that enzymes in the leaves may be

Appel looked at two enzymes; polyphenol oxidase (PPO), which helps tannin work better; and peroxidase (POD), which inhibits the action of tannin. Both naturally occur in oak leaves.

"Peroxidase just chews up everything it comes in contact with," Appel said. "It probably inactivates the tan-

nin. PPO, on the other hand, probably oxidizes the tannin into the products that actually inhibit the virus."

The researcher is looking at caterpillars, and she is interested in the chemical reactions that take place in the caterpillar gut. The wilt virus needs the very basic environment of the gut to shed its crystalline coat and become active. This same alkaline environment does oxidize some of the tannin, but Appel has found a strong relationship between PPO and virus

inhibition. The trick is to put this knowledge to work in controlling the caterpillars.

The constant sound of chewing at the height of a gypsy moth infestation is more than just annoying. Besides damaging the leaf canopy of northeastern forests, these voracious eaters cost the hardwoods industry millions of dollars. Luckily, from an economic point of view, gypsy moths usually do not eat coniferous trees, which are the basis of the multimillion dollar pulp paper industry.

"However, there is another threat, the Asian gypsy moth, which eats conifers and has been introduced at several seaports by ships from the Far East," Appel said. "But so far, these introductions have been eradicated."

While gypsy moth mothers do not fly, the Asian gypsy moth females do, which means the caterpillars will spread faster and could pose a greater threat to the forests if these caterpillars are not controlled.

"The ideal approach for controlling both pests would be to add something to the virus spray that the caterpillars suck up," Appel said. "This could either stop the oxidation of tannin or inhibit the action of PPO."

Further research into the chemistry of the gypsy moth caterpillar gut and the interaction of caterpillar, oak tree and virus, might eventually lead to a control method.

Stealth caterpillar evades early detection

By ANDREA ELYSE MESSER
Public Information

The forest tent caterpillar's eating habits may be the key to their ability to strip leaves without triggering the tree's defense mechanisms.

"Tent caterpillars are unique in their social lifestyle," said Jack Schultz, professor of entomology. "And this social eating pattern may be their protection against a tree's natural defenses."

All trees react when chewed on or leaves are broken. Oak leaves, for example, usually produce increased levels of tannins when ripped or chewed. Other caterpillars, like the gypsy moth, produce a response that is stronger than simply tearing the leaves.

"We allowed forest tent caterpillars to defoliate an oak tree and not only did the tree not respond by producing more tannins, there was a slight, but significant depression in the normal tannin production," Schultz told atten-

dees at the Ecological Society of America Conference in August in Albuquerque. "The tent caterpillars seem to be chemically invisible to the tree."

Unlike the eastern tent caterpillar that builds large messy, very visible nests in cherry trees, the forest tent caterpillar builds only a small, resting place in an oak tree. Female moths lay eggs in one batch and the eggs hatch together. The forest tent caterpillars head for the crotch of a tree and spin a web as a place to rest while not eating. Unlike most caterpillars, tent caterpillars eat together. They all march off to feed, focusing on defoliating one branch at a time. Together, they return to their nest, to rest. They continue this pattern all day long.

"Gypsy moths, which live in the same forests and attack the same trees as the forest tent caterpillar, eat leaves randomly," said Schultz. "Both caterpillars can be equally destructive."

Schultz, Mark D'Ascenso, undergraduate student; and Heidi

M. Appel, research associate in entomology, are interested in how trees react to tent caterpillars, and how tent and gypsy moth caterpillars influence each other.

The tannins released by oak trees help the gypsy moths fight off a virus that normally kills them, but the trees do not release the tannins when tent caterpillars feed.

"We do not understand how the forest caterpillar remains chemically invisible to the tree," said Schultz.

The forest tent caterpillar may simply eat whole branches of leaves too rapidly for the tree to respond before all the leaves are gone. Or, the forest tent caterpillar may lack the chemical cue that turns the tree's defenses on in the case of the gypsy moth. If the researchers could determine what makes the forest tent caterpillar a stealth caterpillar, then breeders might bioengineer into the tree the ability to not respond to the gypsy moth caterpillar. This would improve control of that pest, which would then succumb to the virus.



Jack Schultz, professor of entomology, was out looking for forest tent caterpillars when he came upon a walking stick.

Photo: Greg Grieco

INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

Hall of famers

Former women's Coach Sue Scheetz and ex-men's standout James Fulton of Penn State will be among the initial inductees into the Pennsylvania Lacrosse Hall of Fame. A total of 12 people will be honored in ceremonies on Feb. 28, 1998. Scheetz, currently assistant athletic director at Penn State, coached the Lady Lions to NCAA Championships in 1987 and 1989. Fulton was a second team All-America as a midfielder for the 1954 Nittany Lions.

Scholar-athlete

Butkus Award candidate Aaron Collins, a senior who is one of five brothers to play for Penn State, has been selected as National Football Foundation and Hall of Fame Scholar-Athlete. It marks the fourth consecutive year that Penn State has had a scholar-athlete recipient. Collins will receive \$18,000 from the foundation for postgraduate study.

The undefeated and top-ranked women's volleyball team won't be home again until Nov. 14 when Penn State entertains Purdue in Recreation Building. Five of the final six regular season games will be played at home, all against Big Ten Conference opponents.

Award-winning story

"The Penn State Football Story," the highly acclaimed television show that provides an inside look at the Nittany Lion program, has earned its first Emmy Award. The program was cited as the "Outstanding Sports Series" by the Philadelphia Regional Chapter of the National Academy of Television Arts & Sciences.

For the latest information on Penn State Sports, visit the official Intercollegiate Athletics' site on the Web: <http://www.psu.edu> (Click on sports).

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Pre-Halloween preparations

Michael Svabek worked intently on a jack-o-lantern face at the Shaver's Creek Environmental Center. He was at Shaver's Creek with his mom, Catherine, and sister, Rachel, to help carve pumpkins for the center's annual Halloween trail walk, held last weekend. About 45 people, including members of the Alpha Phi Omega service fraternity, carved more than 150 pumpkins in just one evening.

Photo: Greg Grieco

Emeritus status

The following individuals have earned emeritus rank from the University for their long-standing and productive years of service:

Paul S. Dimick, professor of food science in the College of Agricultural Sciences, from Sept. 1, 1963, to Oct. 1, 1997.

Joseph L. French, professor of education in the College of Education, from Sept. 1, 1964, to Oct. 1, 1997.

Paul S. Greenlaw, professor of management in The Smear College of Business Administration, from Sept. 1, 1960, to Aug. 1, 1997.

Carl S. Keener, professor of biology in the Eberly College of Science, from Sept. 1, 1966, to Oct. 1, 1997.

Howard G. Knuttgen, professor of applied physiology in the College of Health and Human Development, from April 1, 1989, to July 1, 1997.

Douglas H. Sampson, professor of astronomy and astrophysics in the Eberly College of Science, from Sept. 16, 1965, to Sept. 1, 1997.

August H. Simonsen, campus executive officer for Penn State Fayette/professor of environmental sciences, from Sept. 1, 1970, to Sept. 1, 1997.

Alan D. Stuart, associate professor of acoustics in the College of Engineering, from June 1, 1971, to Aug. 1, 1997.

Yoshimitsu Takei, associate professor of education policy studies in the College of Education, from Sept. 1, 1970, to Sept. 1, 1997.

Carpoolers

Angela is seeking carpoolers to ride from the Mill Hall/Lamar area to University Park. Work hours are 7:30 a.m. to 4:30 p.m. Call 863-1994 or e-mail amp13@psu.edu.

Carpooler needed from Philipsburg to University Park. Work hours are 8 a.m. to 5 p.m. E-mail Kelly at kdf113@psu.edu.

Carpooler from Kylertown or Philipsburg to University Park sought. Work hours 8 a.m. to 5 p.m. Call Mary Ann at 865-6563 or e-mail mqc9@psu.edu.

Mike is seeking a person to carpool from Bellefonte to University Park on Tuesday, Thursday and Friday. Work hours are 8 a.m. to 5 p.m. Call 353-8505 or 865-4040.

PENNSTATE INTERCOM

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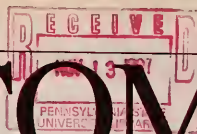
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Volume 27, Number 12

DuBois CEO tapped to lead largest college

BY ALAN JANESCH
Public Information

Joseph C. Strasser, campus executive officer at Penn State DuBois since July 1995, is the recommended choice to be named dean of the Commonwealth College. The college — which came into being on July 1 and represents 12 campus locations — provides instruction and research opportunities, mostly at the undergraduate level.

President Graham B. Spanier will make the recommendation to the Board of Trustees at its Nov. 7 meeting. If approved by the board, Strasser's appointment as dean will be effective Nov. 17.

Under the Penn State reorganization plan approved by the state in January, the Commonwealth College became the University's largest college. The college has a total enrollment of approximately 14,000 students, a full-time equivalent faculty and staff of 1,300, and a budget of roughly \$60 million.

Each college location is working on a strategic plan, due in January, and progress is being made on several fronts. The college's division heads have been named, a curricular process has been put together, a promotion and tenure process has been developed, a 36-member "constitutional convention" has been created to write a constitution for the college, and many other operational details are being worked out.

If approved by the board, Strasser said, "I want to bring this college together as one and see that we provide the best education possible for the students we already have. I also want to reach out in the communities we serve with continuing and distance education and other initiatives. The college is moving along, and I would like to keep it on track and try very hard to develop the pride and esprit of being part of the largest and newest college in the University."

Strasser said one of the first things he would like to do is to visit each of the 12 locations before the end of December, if possible.



Blowin' in the wind

Alan Capparella from the Office of Physical Plant rounds up some leaves next to the Pavilion Theatre on the University Park campus. Every year, OPP gathers between 1,000-3,000 tons of leaves from the grounds. This year, OPP is involved in a pilot project with the dining halls to find economical and ecological ways to dispose of the leaves through composting.

Photo: Greg Grieco

Minority numbers up to all-time high

By KAREN I. WAGNER
Public Information

The University's minority enrollment for the 1996-97 school year reached an all-time high, according to the latest headcount.

Minority enrollment is now at 7,721, representing approximately 10 percent of the total Penn State enrollment. In 1987, minority enrollment made up 6.5 percent of total enrollment at Penn State.

"The continued growth in minority enrollment at Penn State is something that we have worked hard to make happen," President Graham B. Spanier, said, "Penn State remains one of the most popular universities or colleges in Pennsylvania for minorities to attend."

Increases were reported among all categories. Total minority enrollment at all Penn State locations includes 158 Native Americans, 3,001 Asian/Pacific Islanders, 2,992 African Americans and 1,570 Hispanic students.

Among the reasons for Penn State's

See "Enrollment" on page 2

Trustees and deans get chance to view campus master plan

By LISA M. ROSELLINI
Public Information

Attempting to "touch as many bases as possible" on the future look of the University Park campus, planning consultants will present a preliminary master plan today to deans and Board of Trustee members in two separate meetings. The campus master plan is expected to guide the physical development of the campus over the next three decades.

After a series of open sessions on the topic, consultants say both the University community and the community surrounding

See "Master plan" on page 3

Inside



Nominations sought

University-wide awards committees are looking for outstanding faculty and staff members to recognize. For more information on the awards and the nomination process, please turn to page 7.



Jets of the future

Penn State researchers are working on a jet fuel that can be used as a coolant. But first, they need to clean up the petroleum-derived product. For more on this research, see page 15.

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Enrollment

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increasing success in attracting minority students are a group of programs aimed at low-income and first-generation college students. The programs help support the University's goals of increasing minority enrollment and helping minority students succeed in their college and postsecondary careers.

In cooperation with school districts in central and western Pennsylvania, Penn State offers federally funded Upward Bound and Upward Bound Math and Science programs for high school students, and the Talent Search program for students in grades six through 12. These Penn State TRIO programs are enrolling students in colleges from school districts with substantially lower postsecondary enrollment rates than the national average.

"Compared to 62 percent of all U.S. high school seniors who graduated from high school and enrolled in postsecondary institutions last year, 75 percent of those enrolled in Penn State's Talent Search program, 95 percent of Penn State Upward Bound seniors and 100 percent of Upward Bound Math and Science seniors enrolled in postsecondary institutions," said Howard Wray III, associate dean for undergraduate education at Penn State.

TRIO is the name of a collective group of programs established by Congress in the mid-1960s to help disadvantaged students. Among Penn State's college-based TRIO programs, Student Support Services (SSS) helps low-income, first-generation college students stay in college and graduate through tutoring, counseling, supplemental instruction and academic advising. Last year, Educational Opportunity Center staff helped about 2,000 of those clients identify careers, apply for financial aid and enroll in postsecondary programs.

Ag Sciences names Outstanding Alumni

The College of Agricultural Sciences has named five graduates as outstanding alumni for 1997. They are:

■ **Michael Armjand**, president and laboratory director of Centre Analytical Laboratories in State College, Pa. Armjand founded Centre Analytical Laboratories Inc. in 1986. The company helps create environmentally friendly pesticides and performs environmental chemical analyses such as testing residential drinking and waste water.

Armjand earned a B.S. in plant protection from the University of Tehran in 1969. He earned an M.S. in pesticide chemistry in 1975 and a Ph.D. in pesticide chemistry in 1978 — both from Penn State.

■ **Fred Muehlbauer**, supervisory research geneticist with the USDA's Agricultural Research Service. Muehlbauer has developed and released a large number of cool-season food legume cultivars, including lentils, peas and chickpeas. His research has focused on developing disease-resistant cultivars of food legumes.

He is a member of the graduate faculty in the Department of Crop and Soil Sciences at Washington State University, and serves as an affiliate faculty at the University of Idaho and Montana State University. Muehlbauer earned an M.S. in agronomy in 1965 and a Ph.D. in genetics in 1969 — both from Penn State.

■ **Larry Campbell**, staff scientist for food science and technology with Hershey Foods Corp. Campbell is responsible for the development of many Hershey products, where his expertise includes frozen desserts, fluid and concentrated milk, milk chocolate, syrups and toppings. Some of the products he has developed include the current formula for Hershey's Syrup, the Symphony chocolate bar, Brown Cow chocolate syrup and Top Scotch

Minority Headcount Enrollment

	Fall 1997	Fall 1996
Native American	158	149
Asian/Pacific Islander	3,001	2,885
African American	2,992	2,862
Hispanic	1,570	1,490
TOTAL MINORITIES	7,721	7,386

The Ronald E. McNair Post-Baccalaureate Achievement Program helps prepare low-income, first-generation college students for doctoral study. And in 1993, Penn State initiated a College Assistance Migrant Program (CAMP) with funding from the federal government to enroll and serve freshmen from migrant families. CAMP is the only such program in the eastern United States.

In other programs to provide access to low-income students, Penn State offers a Comprehensive Studies Program through the state-funded Educational Opportunity Program to low-income Pennsylvania students who do not meet traditional admissions criteria.

"The TRIO financial aid and retention programs show that intervention can make a difference in the huge financial gap that now exists between the rich and the poor children of the most and least educated," Wray said. "They help students overcome class, social, academic and cultural barriers to higher education."

butter Scotch syrup.

He earned a B.S. in dairy science in 1963 and earned an M.S. in dairy chemistry in 1967 — both from Penn State.

■ **Richard Saacke**, professor of dairy science at Virginia Polytechnic Institute and State University. Saacke is an internationally recognized scientist who has made major contributions in the field of artificial insemination of livestock. Much of the technology currently used in the artificial insemination industry is a direct result of his research.

Saacke earned a B.S. in animal science from Rutgers University in 1953. He continued his education at Penn State earning an M.S. in dairy physiology in 1955, and a Ph.D. in dairy physiology in 1962 — both from Penn State. He also served in the U.S. Army from 1955-57.

■ **Laurence Madden**, professor of plant pathology at The Ohio State University's Ohio Agricultural Research and Development Center. Madden is the recognized world authority on the development and use of statistical models to describe epidemics.

He earned all his academic degrees at Penn State: a B.S. in biology in 1975; an M.S. in plant pathology in 1977; and a Ph.D. in plant pathology with a minor in statistics in 1980.

Madden's research has included the development of a forecasting system for early blight in tomatoes to reduce field applications of pesticides that has saved producers millions of dollars per year. He also developed a computer model to predict crop losses from epidemics and disease.

The college recently established its outstanding alumni program to provide opportunities for alumni to visit the University Park campus and meet with students, faculty, staff and administrators.

Commonwealth

continued from page 1

"I want them to know that I'm very interested," Strasser said. "I want to meet the people and hear what concerns they have and then come back and formulate a plan of action."

Robert E. Dunham, senior vice president and current dean of the college, said the Commonwealth College is "off and running." The constitutional convention, consisting of 36 faculty members chosen by the 12 locations, should complete its work by January. In addition to writing a constitution for the college, the group is also deciding how to elect college-based members of the University Faculty Senate.



JOSEPH C. STRASSER

"Many other details are being worked on now," said Dunham, "such as the honors program, continuing education and outreach, faculty and student databases, and registrar functions such as certification for graduation and acceptance into college majors."

Dunham, whose previous title was senior vice president and dean of the Commonwealth Educational System, will continue as senior vice president until he retires on Jan. 16, 1998.

The dean of the Commonwealth College will serve as the principal academic leader and chief executive officer of the college. The dean will be responsible for planning, budgeting, implementation, fund raising and the quality of teaching and research in the Commonwealth College. The position reports directly to John Brighton, executive vice president and provost of the University.

As chief executive officer at Penn State DuBois, Strasser has been responsible for administering all campus programs. He has spearheaded initiatives resulting in enrollment growth of 17 percent, fund raising in excess of \$630,000, the introduction of an occupational therapy assistant program, and a major upgrade in campus technology and physical plant.

In 1996-97 Strasser served on a University-wide steering committee charged by Spanier to monitor and help guide the development of four new colleges under the reorganization plan — the Commonwealth College, Penn State Abington, Penn State Altoona and Penn State Berks-Lehigh Valley. This year he served on a University design team charged to develop leadership and management curriculum for presentation University-wide.

Strasser also served on the boards of the DuBois Area Economic Development Corp. and the DuBois Regional Medical Center, the advisory board of the Salvation Army, the executive board of the Boy Scouts of America, Bucktail Council, and the business/industry advisory council of the DuBois Area School District.

Before joining Penn State, Strasser had a long and successful career in the U.S. Navy, where he attained the rank of rear admiral. He was president of the Naval War College in Newport, R.I., between 1990-95, and as a Navy career officer has served as senior commander and staff executive in a number of positions.

As president of the Naval War College, Strasser oversaw a budget of \$22 million. During his tenure, the college realized a 25 percent growth in the student body and a substantial increase in the number of women and minorities in both the student body and on the faculty.

Strasser graduated from the U.S. Naval Academy in 1963 with a bachelor's degree in electrical engineering, and was commissioned an ensign. He received a master's degree in international relations (1969), a master's degree in international law and diplomacy (1970) and a doctorate in political science (1971) from the Fletcher School of Law and Diplomacy at Tufts University.

Master plan

continued from page 1

University Park have made it clear they prefer lots of green space, improved traffic flow, fewer cars on campus and a shift eastward in the academic core.

Dick Rigerink of Johnson, Johnson & Roy Inc., the lead campus planner in the process, said today's presentations will allow deans and Trustee members to see how the plan is taking shape and voice their opinions on the alternative that has emerged as the clear choice during public meetings. This alternative, one of three options offered, has now become the preliminary plan that was presented to the public in September. The consultants plan to hold three more open sessions to solicit additional input, fine tune the plan and allow people to get a closer look at key areas of campus that will require more in-depth attention.

"We are presenting the composite plan (Nov. 6) to continue receiving that active input from all who have a stake in this master plan," Rigerink said. "At a later date, we will review subcampus plans that look into specific areas and their uses, solicit some feedback and then bring it all back together to share with people and see how the pieces are coming together."

Rigerink said the areas that need special attention are those that raise pedestrian safety issues or are plagued by traffic congestion. He also said that large undeveloped parcels — like the nearly 20 acres north of Parking Lot 80 — which hold promise for future academic use, and areas like West Campus, that are currently being developed but need to be tied into the larger campus plan, have been pinpointed as demanding a more intense review.

"We will provide a closer look at the areas we expect to experience some of the greatest demands in terms of accommodating additional development," Rigerink said, mentioning the current "science block" as one such area. The science block, which contains a number of buildings including Mueller, Pond, Buckhout and Fenske laboratories, is roughly bounded by Curtin, Pollock and Shortridge roads, just slightly east of Burrows Building. "Open areas, which will be preserved, and how future buildings will relate to existing buildings will all be part of the more detailed examination. We also will be looking at maintaining the character that exists in some of the older, more established areas of campus."

Overall, Rigerink said the University Park campus is attractive, but can be improved by playing up its assets, such as the large green spaces of the Hetzel Union Building and Old Main lawns and "Hort Woods," off Park Avenue. Adding more open spaces can also have a significant visual impact. Penn State's current master plan for the University Park campus was last updated in 1987.

"In the plan we are working on, we are using open spaces as a very strong organizing element. Although there are several open areas, historically, the University has left open spaces behind," Rigerink said. "It has not always played an integral part in construction projects and the relationship between open spaces and buildings has been weakened over the last decade or so."

The planner said the open meetings have helped to identify some good alternatives and have established how important key concepts — like green space — are to the University community.

"The process has gone really well and we think this has been a good opportunity to step back and see what makes the current campus so visually interesting," he said. "We have been doing some broad scale diagramming and once we take a closer look in greater detail, I think it will all become a bit more real for people."

The next open meeting on the master plan has not yet been set.



Time to winterize

Marty Eisenhower of Pine Mountain Insulation gets some materials ready for installation at Irvin Hall in the West Hells residence area of University Park. The University is working to get routine maintenance done before the winter weather sets in.

Photo: Greg Grieco

Promotions

Staff

Joyce A. Barnhart, staff assistant VIII at Penn State Fayette.

Sarah M. Bawel, assistant to dean in College of Engineering.

Patricia F. Berky, library assistant II, UFO team in University Libraries.

Kathryn J. Bernier, staff assistant VI in College of Agricultural Sciences.

Surama Bhagat, assistant to financial officer I in Corporate Controller's Office.

Abigail L. Bitner, staff assistant VI in College of Earth and Mineral Sciences.

Alfred T. Boardley, advising program coordinator at Penn State Shenango.

Debra A. Boone, financial analyst in College of Agricultural Sciences.

Barbara A. Bush, administrative assistant IV in College of Engineering.

Beth A. Catherman, staff assistant VIII in Business Services.

Wendy J. Clark, administrative assistant I in College of the Liberal Arts.

Susan E. Cromwell, human resources development associate in Office of Human Resources.

Theresa F. Cummings, staff assistant VI in Commonwealth Educational System.

Audrey E. Davidson, graduate enrollment assistant in Intercollege Research Programs.

Helen C. DeFurio, administrative assistant IV in College of Engineering.

Steven E. Dietrich, assistant extension agent in College of Agricultural Sciences.

Nicole M. Dixon, staff assistant VI in Student Affairs.

William G. Dreibelis, manager, health and environmental programs in University Safety.

Kathryn A. Fantaskey, staff assistant VIII in Applied Research Laboratory.

Glenn M. Feagley, technical equipment salesperson in Business Services.

Doreen M. Fisher, assistant director, Student Affairs at Berks-Lehigh Valley College.

Jennifer A. Fitzgerald, senior promotions associate in Continuing and Distance Education.

Luann S. Franklin, staff assistant V in Eberly College of Science.

Sherrilee B. Gilliland, staff assistant V in College of the Liberal Arts.

Heather M. Glennon, assistant extension agent in College of Agricultural Sciences.

Ray W. Gorsuch, assistant manager, housing/apartments in Housing and Food Services.

Technical Service

Harold E. Beers, mechanic-power plant, Office of Physical Plant.

Jerry E. Witherite, mechanic helper, service garage in the Office of Physical Plant.

Donald R. Yearick, area facilities, maintenance mechanic in the Office of Physical Plant.

Presentations being sought for annual technology symposium

University faculty and teaching assistants are invited to submit a presentation proposal for the Sixth Annual Teaching and Learning with Technology Symposium. The symposium, a forum for sharing ideas and experiences in using technology for university-level instruction, will be held Saturday, April 4, 1998, from 9 a.m. to 3 p.m. in the Thomas Building, University Park. In addition to faculty submissions, proposals from graduate and undergraduate students who wish to share exemplary course projects involving information technology are invited. The symposium is sponsored by the Center for Academic Computing.

The deadline for interested faculty and students to submit their proposals is Jan. 23, 1998. Proposals may be on topics such as the following:

- Active and collaborative learning environments
- Effective use of video, graphics, VR, morpha and sound resources for instruction
- Increasing course-based communication through e-mail, the World Wide Web and other Internet applications

All presenters should plan to demonstrate their instructional methods. Each session will be 20 minutes to 50 minutes in length. Printed versions of the call for presentation proposals were sent to all Penn State faculty on Oct. 31. Proposals also may be submitted via the Web at the following URL: <http://ets.cac.psu.edu/seminars/TLT/fpf.html>

Please feel free to contact Karen Peters at kmpl38@psu.edu or at (814) 863-7763 with questions.

LECTURES

Conference aimed at B&B owners, innkeepers

Bed and breakfast owners and aspiring innkeepers will have the opportunity to learn more about one of the nation's most rapidly growing industries at a two-day conference on Nov. 17 and 18 at The Penn Stater Conference Center Hotel on the University Park campus.

Bernice Chesler, author and consultant, will be the keynote speaker. Recognized internationally as "America's Bed & Breakfast Ambassador," Chesler is an award-winning author of 25 books. Her current titles, *Bernice Chesler's Bed & Breakfast in the Mid-Atlantic States* and *Bed & Breakfast in New England*, are considered a model for the guidebook industry. She will open the conference with "The Heartbeat of Innkeeping."

Chesler will be joined by well-

known bed and breakfast presenters, Pat Hardy and Martha Watson Murphy. Hardy is co-executive director of the Professional Association of Innkeepers International (PAII), which has more than 3,000 members.

Murphy is the owner of Murphy's B&B in Narragansett, R.I., which over the years has received recognition and numerous awards from state and local tourism boards for excellence of standards. She also will be conducting a two-hour workshop, "Ask Martha," for aspiring B&B owners/innkeepers.

The interactive, hands-on conference is a continuing and distance education service of the College of Health and Human Development. Anyone interested in attending this conference should call (800) PSU-TODAY to receive a brochure.

Computer science and math lecture series begins Nov. 10

A mathematician and computer scientist with interests in history will give the 1997 John M. Chemsdera Lectures in Science from Nov. 10-13, at University Park. László Babai, professor of computer science and mathematics at the University of Chicago, will present a four-lecture series titled "Paul Erdős (1913-1996): His Century, His Mathematics." The series is sponsored by the Eberly College of Science and is open to the public.

The lectures include: "The Life of Paul Erdős: A Lens to 20th-Century World History" on Monday, Nov. 10, at 7:30 p.m. in 115 Electrical Engineering West; "Conjecture and Proof: Elementary Problems, Unexpected Methods" on Tuesday, Nov. 11, at 4 p.m. in 115 Electrical Engineering West; "Mathematical Challenges" on Wednesday, Nov. 12, at 4 p.m. in 104 Thomas Building; and "Combinatorial Models

in the Theory of Computing" on Thursday, Nov. 13, at 11:30 a.m. in 129 Waring Commons.

Babai is an expert in finite groups and combinatorics, as well as algorithms and computational complexity. He is known not only for his research in mathematics and computer science, but also for his efforts to foster interaction between these fields and for reaching out to other areas and wider audiences.

Born in Budapest, Hungary, he received his degrees in mathematics at Eötvös University, Budapest, where he subsequently became professor. In 1990, he was elected as a member of the Hungarian Academy of Science. He joined the University of Chicago in 1987. Babai was one of the recipients of the first Gödel Prize (1993) given for outstanding papers in theoretical computer science.

Forum to address research ethics

The next speaker scheduled for the Faculty Staff Club's Penn State Forum series on the University Park campus is Tina Günsalus, vice provost at the University of Illinois. Günsalus will speak on "Professional Ethics and Research Integrity: National Issues, Local Challenges," on Tuesday, Nov. 25.

The series, sponsored by the

Penn State Faculty Staff Club and the Penn State Bookstore, begins with a luncheon at 11:30 a.m. in the Ballroom of The Nittany Lion Inn, followed by the talk. Tickets are \$10 and include lunch. Reservations can be made by contacting the Faculty Staff Club office in 110 HUB. For more information, call (814) 865-7590.

Thursday Night Madness series continues Nov. 13

Steven Izenour, a principal in Venturi Scott Brown Architects, will be the featured speaker at the Department of Architecture's Thursday Night Madness series at 8 p.m. Thursday, Nov. 13, in Regency Room 1 at the Atherton Hotel on South Atherton Street in State College. Izenour's lecture will be the last event this semester for the Thursday night series.

Izenour won the American Institute of Architect's National Honor Awards for Urban Design in 1996 and for Design of a House in 1987. He has earned a reputation for combining design ability and expertise in communication technologies with a spe-

cial sensitivity to their use in environmental and historical contexts. He has co-authored two books and numerous articles and taught at several universities around the country.

Izenour's lecture, "Signs of Fun—Recent Projects, Old Theories," will examine some of his recent projects in the context of considering influences. The Thursday Night Madness series is a weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews to students, faculty, staff and interested lay people.

The lecture is open to the public.

Huddle with the Faculty to learn about liquid crystals

Learn about the technology behind modern conveniences such as digital watches and laptop computer screens as Marie-Carmel Calderer presents "Liquid Crystals: Fascinating Round-the-Clock Science" at 9 a.m. Saturday, Nov. 8, at The Nittany Lion Inn on the University Park campus.

Discovered during the mid-19th century, liquid crystals are one of the few organic materials to have made a significant impact on the technological world through familiar objects such as watches, calculators and computer screens. Join

Calderer, a professor of mathematics, as she takes you on a scientific tour of the fascinating world of liquid crystals.

Calderer's free presentation is part of this fall's Huddle with the Faculty, a Penn State Alumni Association continuing and distance education service that features presentations by top Penn State faculty before every home football game.

For more information on upcoming speakers in this year's Huddle with the Faculty series, contact Mary Jane Stout, alumni continuing education, at (814) 865-LION (5466).

Berks is site of netWORKS conference

Penn State Berks will be the host site of the Mid Atlantic Alliance for Computers and Writing Conference "netWORKS: Connecting Learners Across the Curriculum" Nov. 14-15. Administrators and faculty from all disciplines may attend.

The conference will provide a forum for examining how computer technology can connect learners to the material, the instructor and each other. It will explore the benefits of

connecting students via computers across disciplines, across academic levels and across the world. Presenters from around the world are slated to attend.

Advance registration is \$80, and on-site registration is \$90. For registration and travel information, call Judy Donahue at (610) 396-6224. For more information about the conference, call Lisa Faranda at (610) 396-6158.

Korean Culture Program on Nov. 18

On Nov. 18 at 8 p.m. in Schwab Auditorium on the University Park campus, the Korea Society and the Korea Foundation will present the 1997 Korean Culture Program.

Titled "Korean Music: Tradition and Innovation," the program consists of a lecture in which various aspects of Korean art and culture are explained; and then a musical per-

formance given by traditional artists. The performance is sponsored by International Students and Scholars, the Korean Graduate Student Association, the Korean Undergraduate Student Association and UPAC.

Admission is free, but tickets are required. Tickets may be obtained at the Eisenhower Box Office, (814) 863-0255.

Nominations sought for 1998-99 Administrative Fellows Program

Applications and nominations for the Administrative Fellows Program for Women and Minorities for the 1998-99 academic year are now being sought. The program has been reconstituted this semester under the leadership of Robert Secor, vice provost for academic affairs and personnel.

The program has been redesigned to support fellowships, under the mentorship of one of Penn State's vice presidents. In 1998-99, three fellows are being sought for opportunities with Rodney A. Erickson, vice president for research and dean of the Graduate School; James H. Ryan, vice president for outreach and cooperative extension; and Gary C. Schultz, senior vice president for finance and business/development. Candidates will be asked to identify their choice of fellowship opportunity on the application form.

The Administrative Fellows Program provides professional development opportunities for women and minority faculty and staff. By serving under the mentorship of a senior-level administrator, fellows receive opportunities to broaden their perspectives and experiences in higher education administration. The fellowship experience is designed to allow participants to become more effective in their existing positions within the University and to provide a base for them to compete at higher levels of administration for advancement in the future.

The objectives of the program are to identify women and minorities who have potential for effective leadership; to increase awareness of the complexity of issues facing higher education and to enhance understanding of the environment in which decisions are being made; and to provide opportunities for participation in a wide range of decision-making processes, learning activities and program management that provide a better understanding of the challenges of higher education administration. Although participation in the program does not guarantee appointment to an advanced or administrative position at the University, the program has been valuable in the past in increasing the pool of qualified women and minorities interested in pursuing careers in University administration.

The steering committee, listed below, will be selecting candidates from full-time faculty or staff members who have demonstrated success in their current positions and expressed interest in an administrative career. Successful candidates should demonstrate evidence of leadership

experience and decision-making ability; an ability to relate effectively with faculty, staff and students; and an understanding and appreciation of cultural, ethnic and individual differences; with a willingness to accept a wide variety of assignments. Fellows observe the University's decision-making processes and will develop learning plans outlining activities for the year, in consultation with their mentors.

Women and minorities meeting these qualifications at all locations of the University are strongly encouraged to apply. The successful candidates will be placed on a leave of absence from their current positions and continue to receive their regular salary. The starting dates of each fellowship may vary depending on the mentor and the fellow's commitments. The program is competitive.

A luncheon for those interested in the program and designed to allow past fellows to field questions from prospective future fellows, has been scheduled for Thursday, Nov. 18, in 404 Old Main, from 11:30 a.m. to 1 p.m. Lunch will be served. Please RSVP to Katryn Boynton on or before Friday, Nov. 14, either via telephone at (814) 863-7494 or by e-mail at k1b8@psu.edu.

Applications for the Administrative Fellows Program are available from the Office of the President at (814) 863-7494 or from the Office of Human Resources Web site: <http://www.ohr.psu.edu/pages/afppsu.pdf>. Applications should be returned to the Office of the President, 201 Old Main, as soon as possible, but no later than Jan. 16, 1998. For more information, please contact Secor at (814) 863-7494, or by e-mail at rxs2@psu.edu.

In addition to Secor, who will serve as chair, members of the steering committee are Cheryl L. Achterberg, acting dean of The Schreyer Honors College; Ingrid M. Blood, associate dean for undergraduate education; Tineke J. Cunningham, 1997-98 chair of the Commission for Women and Counselor in Career Development and Placement Services; J.D. Hammond, dean of The Mary Jean and Frank P. Smal College of Business Administration; Carol Herrmann, senior vice president for administration; Gail A. Hurley, director of residence life; Claudia A. Limbert, director of academic affairs, Penn State DuBois; James B. Stewart, vice provost for educational equity; and Billie S. Willits, assistant vice president for human resources.

CIS staff to volunteer as ticket takers during football game in support of the United Way

If you go to the Penn State-Michigan football game on Saturday, the person taking your ticket at Beaver Stadium may be working for the United Way.

Employees in Computer and Information Systems serve as ticket takers for home football games, with the money for their services donated to the United Way.

"This is the second year in which we've been involved," said Paul Peworchik, team leader. "Seven employees from our four units — Office of Administrative Systems, Office of Telecommunications, Center for Academic Computing, and the Office of Library Computing Services — serve as ticket takers for each home football game."

"The money they earn for their efforts is turned over to the United Way. It's a somewhat different way of supporting the United Way campaign and everyone seems to enjoy it."



United Way

The program, which is one of variety of United Way fund-raising efforts at University Park, including hoagie sales, a candy and bake sale, auctions and the annual University Libraries book sale, is managed by Sylvia Carson, lead systems analyst in Library Computing Services.

"We contacted Intercollegiate Athletics and asked if they would be willing to give our employees an opportunity to work on behalf of the United Way," she said. "Each department has a coordinator and before the season begins we contact them by e-mail and invite their participation."

"We then develop a schedule of seven ticket takers for each home game, and we have backups in case of emergencies. They work through the first quarter and are able to watch the rest of the game. The \$10 earned per worker is donated to the United Way."

According to Carson, there are many benefits to the program. "We're able to increase CIS's funding to the United Way and increase awareness of the United Way among our employees. More people get to know about the United Way and begin to think about ways of giving."

"Also, it's fun. We get to see the game and relate with our co-workers from other units."



A regular column provided by the Office of Human Resources

Task force begins study on the future of benefits

At the invitation of President Graham B. Spanier and Louis F. Geschwindner Jr., chair of the University Faculty Senate, 16 faculty and staff members have agreed to serve on the Task Force on the Future of Benefits. The task force, which is chaired by George W. Franz, associate professor of history and American studies, Penn State Delaware County, will meet monthly to explore and make general recommendations in the area of benefits programming.

After a study of comparable benefit programs at other institutions of higher education, the task force will recommend attainable, cost-effective benefits objectives as well as identify strategies for attaining those objectives. The specific benefit programs being studied are: medical, dental, vision, prescription drug, tax-deferred annuities and the Employee Assistance Program.

The initial phase of the study is to focus on medical benefits. The issues to be examined will include plan design, prescription drug options and cost structure. The target date for issuing recommendations is June 1998. The findings of the task force will assist in the future development of a health care strategy, which may include a benefits cafeteria plan and a point-of-service plan.

Faculty and staff who have questions or comments regarding the issues being addressed by the task force are encouraged to contact Franz by phone at (610) 892-1411, fax at (610) 892-1357 or by e-mail at GWF1@PSU.EDU.

Open house reminder

The informational benefits open houses at University Park are scheduled for 8 a.m. to 4:30 p.m. Nov. 7, 12, 14 and 21 in 101 Kern Building.

Representatives from organizations and companies providing benefits to University employees will be available to speak to faculty and staff.

In addition, blood pressure screenings will be available.

Faculty/Staff Alerts

Go Lions!

For the fifth consecutive season, the Penn State-Michigan football contest will be televised by ABC Sports. The network will regionally broadcast the Saturday, Nov. 8 clash from Beaver Stadium at 3:30 p.m. EST.

The telecast is the eighth announced TV appearance of the season for the Nittany Lions, who have appeared on TV 37 of their last 38 games.

Spanier on the air

The rewards and frustrations of leading the modern university are the subject of the next edition of "To the Best of My Knowledge," President Graham Spanier's monthly call-in program on WPSU-FM (90.1, 91.5 & 106.7), airing on Thursday, Nov. 13, at 7 p.m.

"It's about the hardest job in the United States," says the president of the Association of American Universities. Enhancing academic programs, balancing budgets, overseeing the physical plant, recruiting students, raising funds, and interacting with faculty, students, trustees and legislators represent the minimum any president needs to get done.

Joining Spanier for a discussion of the university presidency will be Barry Munitz, chancellor of the California State University System. Listeners with questions or comments are invited to call (800) 543-8242 during the one-hour program. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>; and they will be able to contact Spanier and his guest via e-mail to response@psu.edu.

Hosted by Patty Satalia, "To the Best of My Knowledge" is a series designed to explore topics of concern to higher education and to allow listeners a chance to communicate directly with Penn State's president.

Thanksgiving calendar change

To help students travel safely and in timely fashion over this year's Thanksgiving holiday — without skipping classes — Penn State has changed its official University Park calendar for November 1997.

Under the change, classes at University Park will end at 12:05 p.m. Wednesday, Nov. 26 — the normal ending time of fourth-period classes. Other locations may also adopt the change, as appropriate. All morning classes on the Wednesday before Thanksgiving will remain scheduled as before. Instructors whose classes would have met after 12:05 p.m. Wednesday are expected to provide opportunities to make up the class time missed because of the early closing. If needed, the Registrar's Office will work with faculty and departments on rescheduling.

The University will monitor how the schedule change works this year and the results of its assess-



Wearing a different hat

Jan Muhrl, director of the Palmer Museum of Art on the University Park campus, took a break from her regular duties recently to don a Creamery uniform. She was at the Creamery to serve some Palmer Mousse with Almonds ice cream, created to mark the museum's 25th anniversary this year. The chocolatey confection will be available at the Creamery only until December.

ment will be used to guide Thanksgiving holiday scheduling in future years.

Puerto Rican Awareness Week

Puerto Rican Awareness Week is Nov. 16-22. On the University Park campus they will be celebrating the 10th anniversary of the Puerto Rican Student Association. A food festival will be held in the Paul Robeson Cultural Center from 11 a.m. to 2 p.m. on Friday, Nov. 21, complete with traditional Puerto Rican foods like arroz con gandules, arroz blanco, habichuelas, pernil, pollo guisado and much more.

Donor challenge

Penn State fans — it's time to bleed blue and white. The fourth annual Penn State-Michigan State Blood Donor Challenge is here, Nov. 10-21 on the University Park campus. It's a contest between Penn State and Michigan State to see which school can donate the most blood in the weeks preceding the Penn State-MSU football game, on Nov. 29.

Penn State holds a 2-1 lead in the overall event. The nearly 2,000 pints of blood which Penn State should generate represents a three-day blood supply for the Johnstown Region of the American Red Cross.

For more information on blood donation, call the American Red Cross at 1-800-54-BLOOD. While walk-in donors are welcome, appointments are strongly recommended, and may be made with Connie Schroeder, campus coordinator for American Red Cross Blood Services, at (814) 237-2713. All of the following drives take place on the University Park campus:

- Monday, Nov. 10: Waring 1-7 p.m.
- Tuesday, Nov. 11: Pollock 1-7 p.m.
- Wednesday, Nov. 12: Atherton 1-7 p.m.
- Wednesday, Nov. 12: Warnock 1-7 p.m.
- Thursday, Nov. 13: Fisher (East) 1-7 p.m.
- Friday, Nov. 14: Simmons 1-7 p.m.
- Sunday, Nov. 16: Fisher (East) noon-5 p.m.
- Monday, Nov. 17: Kern 10 a.m.-4 p.m.
- Tuesday, Nov. 18: HUB Ballroom 10 a.m.-4 p.m.
- Wednesday, Nov. 19: HUB Ballroom 10 a.m.-4 p.m.
- Thursday, Nov. 20: HUB Ballroom 10 a.m.-4 p.m.
- Friday, Nov. 21: HUB Ballroom 10 a.m.-4 p.m.

Tax reminder

All non-resident aliens claiming exemption from federal tax, based on a tax treaty, need to complete IRS Form 8233 each tax year. A copy of the 1-20 or IAP-66 (whichever is applicable), plus a copy of the Revenue Procedure 87-9 (for lecturers, researchers or teachers) or Revenue Procedure 87-8 (for students, trainees or graduate assistants) both need to be attached to the IRS Form 8233.

The forms can be obtained from either the Payroll Office, 307 Rider Building, Office of International Students, 222 Boucke Building, both on the University Park campus, or the financial office of the college for which you are working. Forms are also directly available from the IRS at: <http://ftp.fedaid.gov/pub/irs-pdf/8233.pdf>; or from the University's GURU site at <http://guru.sp.psu.edu/central/payroll/data/8233.pdf>.

These forms must be completed and received by the Payroll Office, 307 Rider Building, by Dec. 1. Failure to do so may cause you to be taxed incorrectly during the 1998 tax year. For more information, contact the Payroll Office at payroll@psu.edu or call (814) 865-7621.

Committee ready to review award nominations

A general committee chaired by Billie S. Willits, assistant vice president for human resources, has been appointed to review nominations for the Faculty and Staff Achievement Awards, which include the McKay Donkin Award, the Award for Administrative Excellence, the Barash Award for Human Service, the Staff Excellence Award, the Dr. James Robinson Equal Opportunity Award, and the Support Staff Award.

Six subcommittees will screen nominations and develop nominations for the respective awards. Members are:

■ McKay Donkin Award subcommittee: James M. Elliott (chair), Nancy

Herron, Donn Frazier, Beth Trimble, Barton Browning, Diane Ryan and Vernis Welmon.

■ Barash Award subcommittee: Vicki Fong (chair), Kenneth Clarke, Shannon Mink, Gerald Stein, Brent Pasquinielli, Trevor Gibbs and James Purdum.

■ Award for Administrative Excellence subcommittee: Lydia Abdullah (chair), Alicia Bunnell, Robin Anderson, Linda Enseki, Bill Mahon, Anne Smilowitz and William Swan.

■ Staff Excellence Award subcommittee: Deborah Howard (chair),

David Wilson, Beverly Ladrido, Carol Everett, David Stormer, Tolle Contento and Sharon Symanovich.

■ Dr. James Robinson Equal Opportunity Award subcommittee: Steve Hayes (chair), Ernest Gale, William Henson, Debra Putt, Sue Rankin, Stephanie Guiney and Carmen Borges.

■ Support Staff Award subcommittee: Gail Hurley (chair), Ken Rudy, Paul Peforchik, Terri Dowdy, Meghan Madryk, Esther Lauchle, Connie Gearhart.

Nominations are still being accepted for these 1998 awards. Nominators should contact the Office of Human

Resources at (814) 863-6188 to request a copy of a standardized format for submitting nominations or visit the Office of Human Resources' Web site at <http://www.ohr.psu.edu>. Click on "Documents."

Please refer to the Penn State Intercom article of Oct. 2 for additional information related to the awards and the process. Nominations should be sent to Billie S. Willits, Box 6, Rider Building. The deadline for submitting nominations is Dec. 1. Earlier submission is encouraged and appreciated. Supporting information, which accompanies nominations, should be brief and specific to the award criteria.

Graduate School wants to recognize outstanding teaching

Nominations are being sought for two Graduate School awards recognizing outstanding teaching. The Graduate Faculty Teaching Award and Graduate Assistant Award for Outstanding Teaching were created to reward exceptional instruction at the graduate level. Recipients will receive \$500, in addition to being honored at the awards program in the spring. The deadline for both awards is Dec. 1.

The Graduate Faculty Teaching Award is open to all University faculty members who have been tenured members of the graduate faculty for a minimum of seven years; who have demonstrated excellence in the supervision of graduate students with their thesis work; and who have not yet received the University's highest accolades for teaching and scholarship (i.e., a Evan Pugh professorship, a distinguished professorship, or the Eisenhower or Lindback awards). Nominations may be submitted to the nominee's graduate program professor-in-charge by graduate students, faculty or staff. Each graduate program is limited to only one nomination.

The Graduate Assistant Award for Outstanding Teaching is open to graduate students who have served as a graduate assistant for at least two semesters within the last two years (fall 1995 to fall 1997). Degree candidates carrying the title of instructor are not eligible for the award. Nominations may be submitted to the nominee's graduate officer or department head. Typically, 10 awards are made.

For details on application preparation, please contact the Fellowship & Award Office at (814) 865-2514 or gradgrants@psu.edu.



Repair work

Joe Eisenhauer works on a computer monitor at the University's Computer Repair Center in the Physical Plant Building on Park Avenue, University Park. The center will be moving in the near future to Surplus and Salvage, and is planning an open house in January. The center repairs computers for faculty, staff, students and retirees, as well as for University offices and departments. For more information, call (814) 863-0266.

Photo: Greg Grieco

Schreyer Institute seeks innovative ideas for learning

The Schreyer Institute for Innovation in Learning is looking for faculty with new ideas in active and collaborative undergraduate learning. Proposals for innovations to run in the fall 1998 semester are due Nov. 15.

In the institute's first two years, nearly 100 institute fellows have experimented with collaborative learning and using high-performance learning teams or active learning. These fellows report improvements in student motivation, attendance and intellectual performance.

Selected proposals are supported with funding, which can be used for student interns who will work with faculty in designing and coordinating new learning experiences and obtaining small grants. In addition, faculty members can use instructional design and assessment consultants and team-training resources provided by the institute. Project faculty also participate in monthly workshops and conversations that use PictureTel to reach faculty at locations outside of University Park.

For more information, visit the Web at <http://www.inov8.psu.edu>, where you can go through a proposal workshop, view a prototype proposal and find out how Schreyer Fellows are innovating their classes. For applications, call (814) 865-8681, e-mail INOV8@psu.edu or apply directly through the Web.

ARTS & ENTERTAINMENT

AT PENN STATE

Oriana Singers to perform

The Oriana Singers will present their autumn concert at 4 p.m. Sunday, Nov. 9, in the School of Music Recital Hall on the University Park campus.

Conducted by Lynn E. Drafall, the singers will open with songs of praise. "Discantus," a vocal chamber choir, also will perform.

Tickets are \$4 for the general public and \$2 for students and are available at the door.

Odyssey Through Literature

On the next episode of Odyssey Through Literature, Gerald Brault, professor of French and medieval studies, reveals the intricacies of knowledge hidden in the medieval coat-of-arms. Brault explains heraldry-speak to host Leonard Rubinstein.

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature. It airs Sundays at 6:30 p.m. on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania. The complete semester's schedule can be found on the Web at <http://mickey.la.psu.edu/compil/odyssey/odyssey.htm>.

Faculty recital

School of Music faculty members Marshall Urban, baritone, and Carl Blake, piano, will present a free recital at 8 p.m. Sunday, Nov. 9, in the School of Music Recital Hall on the University Park campus. The duo will perform Franz Schubert's song set "Schwanengesang." The set is a collection of Schubert's last songs, published after his death in 1828.

Bach's Lunch

The Penn State Singing Lions, directed by Peter Kiefer, will perform at the Bach's Lunch concert at 12:10



In concert

Pu-Qi Jiang will conduct the Nov. 14 concert of the Penn State Philharmonic. The performance will be at 8 p.m. in the School of Music Recital Hall on the University Park campus.

p.m. Thursday, Nov. 13, in the Helen Eakin Eisenhower Chapel on the University Park campus. The 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The Singing Lions' performance will feature a variety of songs of different types: a spiritual, a rock hit, some Broadway tunes and a blues song. All will be staged and choreographed and performed by a group of 16 singers and four instrumentalists.

After the free concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Penn State Philharmonic

The Penn State Philharmonic will present its second concert of this season on Friday, Nov. 14, at 8 p.m. in the School of Music Recital Hall on the University Park campus.

Guest conductor Gregory Woodbridge, a second year master's student in orchestral conducting at Penn State, will open the program with Wagner's Prelude to "Die Meistersinger."

With the Philharmonic under the baton of music director Pu-Qi Jiang, cellist Kim Cook will also perform.

Tickets are \$4 for adults, \$2 for students and are available at the door.

Community Arts Center

The following events are scheduled for the Community Arts Center of Penn College in Williamsport. For more information, call the center at (717) 327-7650.

■ **Philips, Craig & Dean** — Contemporary Christian concert, at 7:30 p.m. Thursday, Nov. 20; tickets are \$15.50, \$13.50, \$10.50.

■ **Chrisman Show LIVE '97** — Two hours of comedy, music and laughter at 7:30 p.m. Friday, Nov. 28; tickets are \$22.50, \$20.50, \$18.50.

■ **A Judy Collins Christmas** — One of the most enduring singer/songwriters of America's folk heritage will appear at 7:30 p.m. Sunday, Nov. 30; tickets are \$25, \$20, \$18.50.

■ **"The Nutcracker,"** presented by the Williamsport Civic Ballet Company, at 7:30 p.m. Saturday, Dec. 6, and 4 p.m. Sunday, Dec. 7; tickets are \$25, \$20, \$15, \$10.

■ **David Copperfield**, following a five-week sold-out engagement on Broadway, brings his "Dreams and Nightmares" show to the center at 5:30 and 9 p.m. Friday, Dec. 12; tickets are \$39.50 and \$29.50.

Beginning Friday, Nov. 7, tickets to the show will be available only through the Community Arts Center box office. Call (717) 326-2424 or NAC Omni Line at (800) 432-9382.

■ **The Williamsport Symphony Orchestra**, Tuesday, Dec. 16, at 7:30 p.m.; tickets are \$37, \$32, \$26, \$21, \$18, \$12.

■ **Collin Raye** — Texas singer with hits "I Think About You" and "Little Rock," show set for 7:30 p.m. Friday, Feb. 6; tickets are \$30, \$24.50, \$19.50.

■ **"West Side Story"** — Broadway musical to be performed at 7:30 p.m. Tuesday, Feb. 10; tickets are \$33, \$25.50, \$20.50.

■ **Peking Acrobats** — Performing at 7:30 p.m. Thursday, Feb. 12; tickets are \$18.50, \$15.50, \$12.50, special \$3 discount for children 16 and under.



BRYCE JORDAN CENTER

Phish appearing

Phish, the improvisational rock act, will appear at 7:30 p.m. Tuesday, Dec. 9. Tickets are \$22.50 for reserved seating.

"Lord of the Dance"

Michael Flatley's "Lord of the Dance," the Irish step sensation that's sweeping the nation, will appear at The Bryce Jordan Center at 8 p.m. Friday, Dec. 5. Tickets are \$39.50 and \$28.50 for reserved seating.

The "Lord of the Dance" has brought the popularity of Celtic dance to unprecedented heights in the past several years. The "Lord of the Dance" made its U.S. premiere last spring with a string of sold-out shows at New York's Radio City Music Hall.

The performance will feature eight-time world dance champion John Carey.

Upcoming events

■ **Nov. 8:** "Tail Great," three hours before kickoff.

■ **Nov. 20:** 311 with Sugar Ray and Incubus, 7:30 p.m. Tickets: \$22.50.

■ **Nov. 22:** "Tail Great," three hours before kickoff.

■ **Nov. 28:** The John Hancock Tour of Gymnastics Champions, 7:30 p.m. Tickets: \$33.50, \$26.50 and \$18.50.

■ **Dec. 13:** The Young Messiah Tour, 7:30 p.m. Tickets: \$23.50, \$17.50, \$13.50 (children 12 and under half price).

■ **Dec. 21:** Commencement, 1 p.m. (undergraduate and associate degrees).

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart ticket outlets, Commonwealth campus and college ticket outlets, or by calling (814) 865-5555 locally, or toll-free at (800) 863-3336.

For more information on Bryce Jordan Center events, visit the Web at <http://www.bjc.psu.edu>.

■ **The Williamsport Symphony Orchestra** will present selections by Bottesini, Stravinsky and Elgar on Saturday, Feb. 28 at 8 p.m.; tickets are \$37, \$32, \$26, \$21, \$18, \$12.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, November 7

"Simple Gifts," concert, noon, Kern Graduate Commons.

Scott Schweigert, gallery talk, on "Four Centuries of Portraits at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

Nicole Hyde, voice, student recital, 8 p.m., Recital Hall.

Sunday, November 9

Orana Singers Concert, 4 p.m., Recital Hall. For tickets, phone (814) 863-0255.

"Dancing! from Ballet to Broadway," hors d'oeuvres, dinner and concert, 5 p.m., The Penn Stater. For tickets, phone (814) 231-8224.

■ Odyssey Through Literature, 6:30 p.m., WPSU and WPSB.

Marshall Urban, voice, and Carl Blake, piano, faculty recital, 8 p.m., Recital Hall.

Monday, November 10

Wayne Myers, trombone, graduate recital, 8 p.m., Recital Hall.

Penn State-Michigan State Blood Donor Challenge, through Nov. 21.

Tuesday, November 11

"Diverse Voices," reading series, Sarah Schulman, 7:30 p.m., HUB Gallery Lounge.

Wednesday, November 12

Lisa Jensen, piano, graduate recital, 5:30 p.m., Recital Hall.

Wind Ensemble Concert, 8 p.m., Recital Hall.

Thursday, November 13

The Penn State Singing Lions, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

"To the Best of My Knowledge," President Graham Spanier, 7 p.m., WPSU.

Sydney Dance Company, 8 p.m., Schwab Auditorium. For tickets, phone (814) 863-0255.

Friday, November 14

"Tommy Wareham," concert, noon, Kern Graduate Commons.

Macbeth, 2 and 8 p.m., The Playhouse, through Nov. 22. For tickets, phone (814) 863-0255.

The Penn State Philharmonic Orchestra Concert, 8 p.m., Recital Hall.

Saturday, November 15

Sustainability Fair, 11 themes exploring and celebrating Central Pa., HUB.

■ Onkezoa, Demon Drummers of Japan, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Stephen Feldman, cello, faculty recital, 8 p.m., Recital Hall.

Sunday, November 16

Women's Choral Concert, 2 p.m., Recital Hall. For tickets, phone (814) 863-0255.

Gregg Goldner, percussion, student recital, 2 p.m., 122 Music II.

Concert Choir, 4 p.m., Recital Hall. For tickets, phone (814) 863-0255.

Cameron Crofts, trumpet, graduate recital, 8 p.m., Recital Hall.

SEMINARS

Friday, November 7

Franklin Littell and Leon Klenicki on "The Coming of the Millennium: The Religious Significance of the Year 2000," 9:05 a.m., 111 Boucke.

Richard G. Saacke on "Our Changing Perspectives on Male Fertility," 12:45 a.p.m., 101 Agricultural Sciences and Industries.



Blue-and-white Phish

Members of the alternative rock band Phish display Penn State jerseys presented to them last year when they played at The Bryce Jordan Center on the University Park campus. The group will return to the site Dec. 9. For tickets, call (814) 865-5555 or (800) 863-3336.

Thomas Walther on "The Einstein-Podolsky-Rosen Experiment — On the Road to a Final Answer," 2:30 p.m., S5 Osmond Laboratory.

Casey McCracken on "The Centre County GIS Project: The Early Years, 4 p.m., 206 Walker.

Nicholas Rescher on "Pragmatism in Crisis," 4 p.m., 124 Sparks.

Saturday, November 8

Marie-Carme Calderer on "Liquid Crystals: Fascinating Round-the Clock Science," 9 a.m., The Nittany Lion Inn.

Monday, November 10

Father Michael Becker on "The Missions of Charity: Serving the Poorest of the Poor," noon to 1 p.m., 212 Eisenhower Chapel.

Liliana Ursu on "A Poet in Two Worlds," 12:15 to 1:20 p.m., 101 Kern.

Richard Wraybright on "Experiences at Mason-Dixon Farms," 12:20 p.m., 239 Agricultural Engineering.

Octavio Obregon on a subject to be announced, 2 p.m., 339 Davey Laboratory.

Charles Clark on "Collective Excitations and Coherence of Bose-Einstein Condensates," 3:30 p.m., 339 Davey Laboratory.

■ László Babai on "The Life of Paul Erdős: A Lens to 20th-Century World History," 7:30 p.m., 115 Electrical Engineering West.

Tuesday, November 11

Joe Schafer on "Introduction to Multiple Imputation for Missing-Data Problems," noon to 1 p.m., 406 Oswald.

Happy Valley Toastmasters, noon to 1 p.m., 310 Shields.

Bill Olbricht on "Aggregation of Particles in Shear Flows," 2:30 p.m., Paul Robeson Cultural Center.

Ed Eberly, ceramist, 2:30 p.m., Palmer Lipson Auditorium.

Andrew Brandt on "Hard Diffraction at DO," 3 p.m., 339 Davey Laboratory.

■ Thomas E. Lovejoy on "Biological Diversity and the Wealth of Nations," 4 p.m., 101 Thomas.

László Babai on "Conjecture and Proof: Elementary Problems, Unexpected Methods," 4 p.m., 115 Electrical Engineering West.

Mark Falla on "Bioavailability and Absorption of Carotenoids from Foods," 4 p.m., 110 Warlik Laboratory.

Margaret Morganroth Gullette on "The Post-maternal Phenomenon," 4 to 5 p.m., HUB Gallery Lounge.

Wednesday, November 12

Sabrina C. Chapman on "Classroom Climate for Women," noon to 1 p.m., CWS Resource Room, 120 Boucke.

Dave Bryla on "Relationship Between Root Lifespan and Root Respiration: What Have We Learned?" 12:20 to 1:10 p.m., 112 Buckhout Laboratory.

Lisa Phillips on "The Most Dangerous Negro in America," Frank Crosswail and the Harlem Labor Committee's Campaign for Black Workers' Rights in New York City, 1948-1953, 3 to 5 p.m., 102 Weaver.

László Babai on "Mathematical Challenges," 4 p.m., 104 Thomas.

■ Paul Zimsky on "City of the Grim Reaper: Rediscovering Mashkan-Shapir, Iraq," 8 p.m., 101 Kern.

Thursday, November 13

Saurya Das on "The Effective String Description of Hawking Radiation," 11:30 a.m., 339 Davey Laboratory.

László Babai on "Combinatorial Models in the Theory of Computing," 11:30 a.m., 129 Waring Commons.

Gordon Cates on "Laser-Enhanced MRI: Putting Optical Pumping to Work," 3:30 p.m., 101 Osmond Laboratory.

David Eversfield on "Ecological Literacy: The American University After the Collapse of Technology," 3:30 p.m., 360 Willard.

Friday, November 14

■ Judith Lesker on "Following the AIDS Epidemic Around the World," 4 p.m., 206 Walker.

Irene Harvey on "Derida and the Issues of Exemplarity," 4 p.m., 124 Sparks.

Sunday, November 16

Bruce Robertson on "Marsden Hartley and His Art," 2 p.m., Palmer Lipson Auditorium.

CONFERENCES

Monday, November 10

"Managers as Facilitators," The Penn Stater, through Nov. 12.

Tuesday, November 11

"Borderlines and Antisocials: Criminal and Abnormal Behaviors," The Penn Stater.

"Teen Pregnancy: An Issue for Everyone," The Penn Stater, through Nov. 12.

Wednesday, November 12

"Borderlines and Antisocials: Harnessing Anger and Rage," The Penn Stater.

"Strategies for Successful Education of Health Care Providers," The Penn Stater, through Nov. 13.

Thursday, November 13

Eighth Pa. Blasting Conference, The Penn Stater, through Nov. 14.

Sunday, November 16

"Antique Restoration and Preservation," The Penn Stater.

Walter Keltz Foundation Orientation, The Penn Stater, through Nov. 19.

EXHIBITS

HUB Art Alley Cases

HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Browning Gallery

Exhibit by Anna Vaserstein, Nov. 11 through Dec. 13.

HUB Formal Gallery

Paintings by Marta Sanchez, Nov. 11 through Dec. 13.

Kern Exhibition Area

■ Photographs by Javier Escudero, through Dec. 8.

Kern Flat Cases

Jewelry by Denise Arieu, through Dec. 10.

Kern Tall Cases

Works in wood by Steve Strouse, through Dec. 8.

Palmer Museum of Art

"Photographs by the Stieglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the 16th through Early 20th Centuries," Special Exhibition Gallery I, through Dec. 21.

Zoller Gallery

"New Faculty of the School of Visual Arts Exhibition," through Nov. 30.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Appointments

Associate health physicist is new radiation protection manager

Eric Boeldt has been appointed the new manager of radiation protection for Penn State. Boeldt has been employed as the associate health physicist in the Health Physics Office of the University for nearly 10 years. In this capacity, he was responsible for ensuring compliance with federal and state regulations pertaining to radioactive materials. In his new position, he will work with researchers and laboratory workers to ensure that Penn State meets all requirements of the Nuclear Regulatory Commission and numerous other regulatory agencies, and will work with the University Radioisotopes Committee to ensure compliance of radioisotope users.

Before coming to Penn State, Boeldt was a health physicist at the University of Wisconsin-Madison; a staff scientist for the Wisconsin Radiation Protection Council; and a nuclear test supervisor for the General Dynamics Electric Boat Division in Connecticut.

He received his bachelor's degree from the University of Wisconsin in 1973, his master's degree in metallurgical engineering from Ohio State in 1979, another master's degree in medical physics from the University of Wisconsin in 1985, and was certified as a health physicist in 1988.

Career Development and Placement Services names associate director

Michael E. Hall, has been named associate director for career counseling and planning in Career Development and Placement Services, a division of Student Affairs. Hall brings to the associate director position skills in counseling theory and practice; a broad knowledge of counseling centers obtained from student affairs experience at three universities; and a strong collaborative relationship with faculty and staff across the University.



ERIC BOELDT



MICHAEL E. HALL

Hall's current practice and research interests include clinical issues in career counseling, counselor training and supervision, as well as dual-career and marital counseling. He also provides outreach consultation and spousal relocation counseling for Career Development Services (Rochester, N.Y.). As a member of the National Career Development Association and the Society of Vocational Psychology, Hall serves as an ad hoc reviewer for the *Career Development Quarterly* and the *Journal of Vocational Behavior*.

From 1991 to 1994, Hall served as assistant director for counseling in Career Development and Placement Services. Before being named associate director for career counseling and planning, he served as acting associate director for counseling and planning from 1994 to 1996. Before joining Penn State, Hall was a licensed school psychologist for eight years with the Columbus (Ohio) Public Schools. Previously, he held the position of assistant director for project interaction with the College of Education at Bowling Green State University.

Hall, who has more than 19 years of experience in psychological services, counseling and higher education administration, received his undergraduate degree from Ohio Wesleyan University in 1976. In 1978, he received his master's in education from Bowling Green State University in school psychology. Recently, Hall earned his Ph.D. in counseling psychology from Penn State, after completing his doctoral internship in professional psychology at the Towson State University Counseling Center.

Career counselor promoted to assistant director position

Ellen Houser, a career counselor in Career Development and Placement Services, has been promoted to assistant director for career information management, replacing J. Phillip Bucher, who retired in June.

Houser has served as a career counselor since 1994. Before taking on her counselor role, she served as the office information specialist/systems analyst at Career Development and Placement Services from 1986 to 1994. She began her employment with Penn State in 1977 as a kiosk receptionist at the Department of University Safety while pursuing her baccalaureate degree. From 1980 to 1984 she was a research data processor in the College of Engineering, and from 1984 to 1986 she was a data specialist in the College of Education.

She received her associate degree in communication and the arts in 1976 from Harrisburg Area Community College; a bachelor's degree in French in 1978 from Penn State; and a master's degree in public administration from Penn State in 1986.

Electrical engineering professor appointed principal investigator

John D. Mitchell, professor of electrical engineering, has been appointed the University's principal investigator for the Engineering Coalition of Schools for

Excellence in Education and Leadership (ECSEL). Mitchell replaces Thomas A. Litzinger, professor of mechanical engineering, who became the new director of Penn State's Leonard Center for the Enhancement of Engineering Education.

ECSEL is a coalition of seven schools and colleges of engineering committed to a five-year effort to renew undergraduate engineering education and its infrastructure and to make the engineering profession attractive to a broader spectrum of youth. Funding for the coalition comes from the National Science Foundation at \$3 million per year.

As principal investigator, Mitchell will be responsible for supporting the faculty and those working on engineering education reform. ECSEL is in the middle of its second five-year commitment.

Mitchell holds a B.S., M.S. and Ph.D. in electrical engineering from Penn State and has been a member of the faculty since 1980.



JOHN D. MITCHELL

Mont Alto campus welcomes admissions counselor to staff

Shawn Wiley, recently joined the Penn State Mont Alto admissions' staff as an admissions counselor. Previously, Wiley held positions as assistant dean of admissions/coordinator of minority recruitment at Shippensburg University and admissions counselor/minority recruiter, Penn State's Philadelphia Recruitment Center.

A 1986 graduate of the University of Massachusetts with a bachelor of science degree in business management, Wiley is a member of the National Association of College Admissions Counselors, Pennsylvania Association of Secondary Schools and College Admissions Counselors, and the Pennsylvania Black Conference on Higher Education.



SHAWN WILEY

Professional development courses

HRDC courses

To register for these or other Human Resource Development Center programs on the University Park campus, complete the registration form found in the back of the fall HRDC catalog, and fax to (814) 865-3522.

■ **Understanding Yourself and Others Using the DISC™ Dimensions of Behavior, COM 035:** Understand communication patterns to help you maintain productive, collaborative working relationships under stressful conditions. Nov. 24, 9 a.m. to 4 p.m., 319 Rider Building. Cost: \$89.

■ **Designing Effective Computer-Based Presentations, COM 009:** Nov. 25, 10-noon, 319 Rider Building. Cost: \$35.

■ **Building Stronger Presentation Visuals: Using Diagrams and Graphs to Replace "Bullet Lists," COM 032:** Nov. 26, 8:30-11:30 a.m., 319 Rider Building. Cost: \$44.

Newly named Career Services office marks 25 years of helping students succeed

By LISA M. ROSELLINI
Public Information

Before there was a Career Development and Placement Services office at Penn State, students searching for career advice or post graduate study opportunities were in for a vexing ordeal. Going from office to office, a student could piece together a game plan for reaching their professional goals, but it was an onerous task that only the persistent could master.

That was a quarter of a century ago and the University's Career Development and Placement Services center is now one of the largest and most comprehensive career centers in the nation, providing an extensive array of programs and services designed to aid students in setting and meeting specific career goals. Now marking 25 years in business, the center is in for a name change.

"We are changing the name to Career Services to reflect our comprehensiveness," Jack Rayman, director of the office, said. "Students today are more sophisticated and require more sophisticated and comprehensive assistance with career development choices. We find that, unlike the past, we are now doing more kinds of intense career counseling, going well beyond just helping with resume preparation. We are counseling students on serious career issues and assisting them to navigate the increasingly complex and competitive world of work, and it is clear we will be called upon to do even more in the future."

Emerging in 1972 during a reorganization of Student Affairs, the Career Development and Placement Services office on the University Park campus has weathered not only numerous changes in organization and its name, but also has adapted to shifts in the world of work, the emerging technologies and shifts in attitudes toward career quests. These external changes have prompted the office to expand the types of services it offers to an impressive array of more than 20 different programs. Add to that a stormy decade marked by downsizing in corporate America — which equals tougher competition for jobs — and the newly named Career Services office has plenty to celebrate on its silver anniversary.

"I think Penn State was a trend setter. It took career development to a different level and made it into more than just someone finding a job," said Gary Scott, the first director of the center and now director of career planning and placement for Northern Illinois University. "Career development has a tremendous impact on an institution's retention and recruitment rates and I think at Penn State we recognized that dynamic. We saw it as an educational mission, where it was appropriate to help students to focus on goals, not strictly a service mission."

Rayman said his office works with faculty and staff in the colleges and departments not only to provide direct service, but to "infuse" career development information into the curriculum. He noted that these efforts, together with college and departmental initiatives, have resulted in more relevant and practical coursework.

"We offer courses in the colleges that are geared toward helping students make the transition from school to work. All students need to take with them a set of skills that will help them make transitions throughout the course of their lives," he said. On average, students graduating in 1997 are expected to change careers between seven and 10 times during their lifetime.



Practice, practice, practice

During a mock interview, student Kristie Park, left, is videotaped by Nancy Huenefeld. Taping the interviews helps the students better understand how their posture and body language can be interpreted. This understanding can lead to better presentations when they go on real job interviews. Mock interviews such as this one in an interview room in Boucke Building on the University Park campus, are one way Career Services helps students prepare for life after graduation.

Photo: Greg Grieco

On tap for Nov. 19

To celebrate a quarter century of helping students, the following program is planned:

- **SPEAKERS — 2-3 P.M., HUB FISHBOWL**
Gary Scott from Northern Illinois University and the first director of Penn State's Career Development and Placement Services;
Richard Swails of Penn State and former director of Career Development and Placement Services;
Jack Rayman, current director of Career Development and Placement Services;
William Asbury, vice president for student affairs; and
President Graham B. Spanier.
- **OPEN HOUSE, FROM 3-6 P.M. IN BOUCKE BUILDING**

That's where Rayman's staff of 27 — which includes four graduate assistants — comes into play. Each year, in addition to helping 3,000 to 4,000 Penn State students find jobs, the center also counsels more than 9,000 students. The center set up more than 18,700 interviews with employers and served 21,662 students, alumni, faculty, staff and community members through the multitude of programs it offered last year. In addition, the office hosted 1,000 employer visits to campus — one of the nation's largest on-campus recruiting operations.

Rayman, who has been director since 1983, said that while career searches for students have changed dramatically and students are now being urged to begin shaping their career destinies from the day

they arrive on campus, the mission of the career center over its 25-year history has remained virtually the same: To help students understand themselves and the world of work, and to take responsibility for their own career destiny.

To do this, the center has information on more than 1,500 different employers in its placement library, including videotapes on more than 500 employers. It also offers regular workshops and seminars on job-search skills; provides individual career counseling, computer-assisted guidance, computer-based assessments and career decision-making classes; offers career fairs for special populations, such as minority students; and provides mock interviews and coordinates on-campus interviews in its Interview Center in McAllister Building — which was originally funded in 1983 with \$400,000 in corporate contributions.

Over the past two-and-a-half decades, the center has handed out more than 45 tons of corporate literature, listed upwards of 500,000 employment vacancies, conducted more than 6,800 outreach programs for more than 320,000 students and facilitated more than 500,000 student job interviews.

"I think in the near future we will continue to do more of the same, but will find ourselves undertaking significant initiatives in the alumni career services area, although we do that unofficially now," Rayman said. "Making more and better use of technology is definitely an area we have been pushing as our students enter the global marketplace. We do everything we can to reach students and help them find the career that fits them best."

Career Services will be celebrating its milestones on Nov. 19 with a program in the HUB (see box above).

New at Penn State

Students gain valuable hands-on training

The administration of justice department at Penn State Fayette will participate in a cooperative arrangement with the Johnstown-based National Drug Intelligence Center, to allow some students in the major to work at the federal facility and gain experience in the field of intelligence analysis.

The multi-agency National Drug Intelligence Center recently initiated a mentorship program that involves the on-site training of highly qualified undergraduate and graduate students. While working with a supervisor from the center, students will learn the basic skills involved with intelligence research and will engage in a directed project. The program is designed to prepare students for careers in the intelligence field and, in particular, to provide the National Drug Intelligence Center with a qualified group of trained analysts. Along with Penn State Fayette, Mercyhurst College and the University of Pittsburgh's Ridgway Center will participate in the new program.

Arrangement leads to teacher certification

Students enrolled at Penn State Erie, Behrend College, will now be able to pursue Pennsylvania teacher certification for either elementary education or secondary education thanks to an agreement with Mercyhurst College in Erie. Those who participate in the program will obtain their four-year baccalaureate degree in selected disciplines at Penn State-Behrend followed by a fifth year of course work in education and student teaching through Mercyhurst.

"We've had a tremendous amount of interest in this program from our students," said Roberta Salper, head of the Division of Humanities and Social Sciences at Penn State-Behrend. "This agreement will give them a strong background in the subject matters they wish to teach, followed by concentrated training in education."

This is the first formal cooperative effort between the two institutions.

The agreement will give Penn State-Behrend students the opportunity to obtain secondary education certification in biology, chemistry, English, social studies or mathematics. For certification in elementary education, students may complete virtually any major offered at Penn State-Behrend.

Private Giving

Recent DuPont grants total \$226,000

Recent grants totaling \$226,000 from Du Pont's Educational Aid Program will support 20 departments, programs and research efforts at Penn State.

Ranging from \$5,000 to \$20,000, 13 of the grants are designated for faculty in the departments of agricultural and biological engineering, chemical engineering, chemistry, computer science and engineering, electrical engineering, engineering science and mechanics, and materials science and engineering. These grants will support innovative teaching and research initiatives for

which other funds are inadequate or unavailable.

Four of the grants, ranging from \$5,000 to \$10,000, are designated for the same purposes to faculty or staff in The Smool College of Business Administration's departments of accounting and finance, Center for Logistics Research and Institute for the Study of Business Markets.

Two minority education grants are for the Penn State chapter of the national Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS) program in the College of Agricultural Sciences

and the Minority Engineering Program. These grants, of \$5,000 and \$10,000, respectively, are to increase the availability of high-quality, under-represented minority graduates in disciplines of interest to Du Pont.

Lastly, a \$25,000 Young Professor Grant goes to Xumun Zhang, an assistant professor of chemistry in the Eberly College of Science. This grant helps young faculty members — who may have difficulty finding sufficient funds for start-up support — develop highly original research early in their academic careers.

Penn College gets Boy-Ar-Dee scholarship

The family of the late **Hector Boiardi**, internationally known as a chef and the developer of food products marketed under the trade name Boy-Ar-Dee, has established a trust fund to provide scholarships for qualified and needy students enrolled in the School of Hospitality at the Pennsylvania College of Technology in Williamsport. The gift of \$150,000 will be used to

establish an endowed scholarship in memory of Boiardi.

The first Hector Boiardi Scholarships will be awarded in the 1999-2000 academic year. Being an endowed scholarship, other awards will follow on an annual basis.

Penn College has agreed to select recipients "with great care" and "with special emphasis on those people who

have shown a real interest in culinary studies and who are in genuine need of such aid." Majors within Penn College's School of Hospitality include baking and pastry arts, culinary arts technology, and food and hospitality management. In addition to classroom and catering experience, students gain hands-on education in Le Jeune Chef, a student-run restaurant on the campus.

Partings

Retired professor to continue teaching

Harry H. West, professor of civil engineering, has retired after 39 years of service to Penn State.

West will continue to do what he loves most — teaching — when he returns to the classroom this spring to teach a new science, technology and society course. In addition, West will continue participating in the Faculty Mentoring Program for Teaching in the College of Engineering, a program which he initiated, as well as writing a new textbook on matrix methods and structural analysis for upper-level students.

West said teaching has always been his passion and he enjoys being involved in the growth of young people. During his career, West has accumulated an impressive list of awards, including the 1990 Christian R. and Mary F. Lindback Award for distinguished undergraduate teaching; 1993 Lawrence J. Perez Memorial Student Advocate Award of the College of Engineering; and the 1996 Alumni Teaching Fellow



HARRY H. WEST

Award of the Penn State Alumni Association.

His research has dealt with static and dynamic analysis of suspension bridges and other cable-supported bridge and roof structures, temperature effects in multistory steel frames and prestressed concrete segmental box girder bridges.

West completed his undergraduate work at Penn State, receiving his B.S. in civil engineering in 1958. He continued his studies at the University as a graduate student, earning an M.S. in civil engineering in 1961. After a brief absence from formal studies, he enrolled at the University of Illinois, where he received a Ph.D. in civil engineering in 1967.

He began his professional career at Penn State as an instructor in 1958. West has taught a variety of undergraduate and graduate courses in structural analysis and design. Except for a combined period of five years in the Air Force and at the University of Illinois as a graduate student, his entire career has involved teaching and structural research at Penn State.

Seven longtime employees announce retirements

Evelyn H. Buckalew, publications manager in College of Agricultural Sciences, from Sept. 1, 1981, to Oct. 1.

Mary L. Chancey, nutrition adviser of expanded food and nutrition education program in College of Agricultural Sciences, from July 1, 1977, to Oct. 1.

Rodger W. Granlund, University health physicist in Research and Graduate School, from June 1, 1960, to Oct. 1.

Joseph W. Hayes, systems project leader II in College of Agricultural Sciences, from July 5, 1972, to Aug. 1.

Eva E. Long, staff assistant VII in Office of Human Resources, from Aug. 13, 1970, to Oct. 1.

James E. Matinckek, group leader mechanic, maintenance A at Penn State Capital College, from July 24, 1979, to Sept. 27.

Bonnie L. Randolph, staff assistant VI in Eberly College of Science, from Dec. 2, 1975, to Oct. 1.

Awards

Health and Human Development lauds six

The College of Health and Human Development celebrated the achievements and contributions of six faculty and staff members at a recent awards ceremony. The following honors were given to recognize each individual's commitment to excellence within the college:

■ **The Carol Clark Ford Staff Achievement Award**

Alice V. Saxion, staff assistant in the Department of Human Development and Family Studies, received this award in recognition of outstanding achievement by a staff member who "makes it easier for others to accomplish their objectives effectively and efficiently."

Saxion provides staff support to approximately 35 faculty members and is in charge of hiring and supervising work-study students, managing word processing needs, overseeing the department's mail services, copying/duplicating equipment, and maintaining the supply inventory.



ALICE V. SAXION

■ **The Commonwealth Educational System Faculty Achievement Award**

Judith L. Newman, associate professor of human development and family studies at Penn State Abington, was recognized for her unique contributions to both the college and the campus community and demonstrated excellence in teaching, advising and service.

Over the past 20 years, Newman has served as the dean's representative for the college, and as a member of numerous committees at Penn State Abington, for the college and for the University. She has chaired the Commission for Women's Liaison Committee at Penn State Abington. In 1988, she was honored with the college's Dorothy Barnes Jones Award for Outstanding Teaching. In 1991 and 1996, she was the recipient of her campus' Outstanding Adviser award.



JUDITH L. NEWMAN

■ **The Evelyn R. Saubel Faculty Award**

Thomas A. Frank, professor of communication disorders, received this award, established in honor of Evelyn Saubel, a 1935 home economics graduate and longtime assistant to the dean.

This award recognizes faculty members for service to students.

Frank has been on the college's faculty for 24 years and currently serves as professor-in-charge of the communication disorders undergraduate program. He is co-investigator on a grant researching the effects of otitis media in children attending daycare, and is primary investigator on a grant determining normal hearing levels for ultra-high frequencies.

He is a Fellow of the American Speech Language and Hearing Association and the American Academy of Audiology. He recently received the Distinguished Service Award from the Acoustical Society of America and the American National Standards Institute. He also served a six-year term as a member of the Pennsylvania State Board of Examiners in Speech and Hearing and is president-elect of the Pennsylvania Academy of Audiology.



THOMAS A. FRANK

■ **The Dorothy Jones Barnes Teaching Award**

Rebecca L. Corwin, assistant professor of clinical nutrition, was recognized for excellence in teaching and contributions to the art of teaching.

Three years ago, Corwin came to Penn State's nutrition department after completing two post-doctoral positions at New York Hospital-Cornell Medical Center and the National Institutes of Health. During her tenure, she has taken important steps to humanize and personalize her courses, and has created innovative teaching techniques to make even the largest of classes interactive and rewarding for her students.

Before this, Corwin practiced dietetics as the clinical dietitian at the Institute for Rehabilitation and Research in Houston and as a behavioral counselor for a weight-loss clinic, the Institute of Health Maintenance.



REBECCA L. CORWIN

■ **The Evan G. and Helen G. Pattishall Outstanding Research Achievement Award**

W. Larry Kenney, professor of physiology and kinesiology, received this honor, which recognizes research contributions occurring or culminating

within the past several years. Kenney will present a special lecture in the spring as part of his award.

Kenney has done extensive research in the area of aging and temperature regulation, including responses of older men and women to heat

and cold stress and dehydration. His current work focuses on the independent and separate effects of age and fitness level on cardiovascular responses to exercise and heat stress. Kenney is a sought-after consultant to business and industry and is active in the American Physiological Society and the American College of Sports Medicine (ACSM), serving on the board of trustees and as senior editor of the most recent edition of ACSM's *Guidelines for Exercise Testing and Prescription*. He has earned numerous research awards, including the ACSM New Investigator Award in 1987 and an International Scholar Award from Brazil.

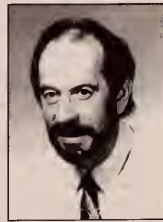


W. LARRY KENNEY

■ **The Pauline Schmitt Russell Distinguished Research Career Award**

Peter R. Cavanagh, distinguished professor of kinesiology, biobehavioral health, medicine and orthopedics and rehabilitation, received this award. This honor recognizes a senior faculty member who has made outstanding research contributions to the field across a major portion of his or her research. As part of the award, Cavanagh will present a special lecture next spring.

Cavanagh has been a member of the college's faculty since 1972. His research interests focus on the mechanics of the foot and lower extremity in a variety of contexts. Principal among these are the foot in diabetes, falls in the elderly and the loss of bone mineral during long-term space flight. Cavanagh has received a number of honors including the inaugural Mybridge Medal of the International Society of Biomechanics and the Borelli Award from the American Society of Biomechanics. He is currently president of the International Society of Biomechanics and chair of the American Diabetes Association Council on Foot Care.



PETER R. CAVANAGH

Penn Staters

Peter Cavanagh, distinguished professor of kinesiology, orthopedics and rehabilitation, medicine, and biobehavioral health and director of the Center for Locomotion Studies in the College of Health and Human Development, was recently named chair of the Council on Foot Care of the American Diabetes Association (ADA). The ADA, one of the nation's largest volunteer health organizations, encompasses a broad mission from patient advocacy, to patient and professional education, to scientific research and research grant award programs. The council is charged with defining the standards of foot care for patients with diabetes nationwide, and for the organization of scientific programs concerning the foot in diabetes.

Refik Culpán, associate professor of management at Penn State Harrisburg, delivered a paper, "Knowledge Acquisition and Learning in International Joint Ventures: The Case of NUMMI," at the annual conference of the Academy of International Business, in Monterrey, Mexico.

Wolfgang E. Ernst, professor of physics and chemistry, recently presented a number of invited lectures in Germany and Sweden.

In Germany, he gave a plenary lecture titled "Atoms on Cold Clusters—Reaction Dynamics at 0.4 Kelvin" to the German Physical Society in Mainz. He lectured on "Alkali Aggregates on Cold Helium Clusters and in a Free Jet" at the University of Tuebingen, at the Gesellschaft fuer Schwerionenforschung in Darmstadt, and at the Max-Planck-Institut fuer Stoerungsforschung in Goettingen. In Berlin, he talked on "Atoms on Cold Clusters—Laser Spectroscopic Investigation of the Interaction Dynamics" at the 29th Conference of the European Group for Atomic Spectroscopy.

In Taellberg, Sweden, Ernst presented a lecture at the 24th International Symposium on Free Radicals titled "Vibronic Interaction Dynamics in Alkali Trimers." He also has been elected to the steering committee of the international advisory committee for the annual International Symposium on Molecular Spectroscopy.

Michael Gannon, assistant professor of biology, recently attended the International Theriological Congress in Mexico where he presented a paper, "Ectoparasite Associations of Bats from Dominica." The paper was co-authored by Michael Patrick.

Lionne Golden, assistant professor of economics at Penn State Delaware County, presented several talks, including "The Rise in the Contingent Work Force," at a conference on the "Brave New Workplace" at Monmouth University Center for the Study of Public Issues; and "Projected Economic Consequences of Reforming the U.S. Over-time Hours Law" at the "Law and Economics, and the Labour Market" conference in Utrecht, Netherlands.

Annette Goodling, extension family and consumer scientist in the College of Agricultural Sciences, has received the Florence Hall Award from the National Extension Association of Family and Consumer Sciences.

The award recognizes an outstanding program conducted by NEAFCS members. The award is to be used for professional improvement that will serve the interests and needs of the recipient. Goodling was recognized for the project "Building Blocks."

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, gave an invited talk on "Nanocomposite Aerogels by Methanol Supercritical Drying" at the International Conference on High Pressure Science and Technology in Kyoto, Japan. He also gave an invited talk on "Hydrothermal Processing for Nanophase to Micrometer Sized Powders" at the International Symposium on Solvothermal and Hydrothermal Processes in Takamatsu, Japan.

Ronald Krhe, associate professor of engineering, and Thomas Russell, lecturer in engineering, both at Penn State Erie, Behrend College, received Best Paper Award for their paper, "Low-Power Embedded Control Design," at the 1996 ASEE Annual Conference.

John A. Maher, professor and former dean of The Dickinson School of Law, has been confirmed by the Pennsylvania State Senate and sworn in as commissioner to the Pennsylvania Securities Commission. Maher's nomination by Gov. Tom Ridge was unanimously confirmed by both the Senate Banking and Insurance Committee and the full Senate.

Robert E. Newnham, associate director of the Materials Research Laboratory, presented the keynote lecture at the International Conference on Adaptionics held in Berlin, Oct. 1-2. The title of his talk was "Molecular Mechanisms and Industrial Applications of Smart Materials."

Jeffrey Pinto, the Samuel A. and Elizabeth B. Breene fellow in management at Penn State Erie, Behrend College, received the 1997 Distinguished Contribution Award from the Project Management Institute. The award was given for continued excellence in professional support of the goals of the PMI, which is the world's largest professional organization for project management.

Jeremy Plant, professor of public administration and public policy at Penn State Harrisburg, has been elected to a three-year term on the Executive Council of the Section on Transportation Policy and Administration of the American Society for Public Administration. Plant is one of the founding members of the section. He also has been reappointed to a one-year term on the society's Professional Ethics Committee, and presented a paper titled "National Transportation Trends and the Reauthorization of the Intermodal Surface Transportation Efficiency Act: The Two Regimes of Transportation Governance" at the society's annual conference.

Donna M. Rogers, associate professor of Spanish and interim head of the Department of Spanish, Italian and Portuguese, presented a paper titled "La lengua oral al 'Regiment de la cosa publica'

de Francesc Eiximenis" at the 11th International Colloquium on Catalan Language and Literature in Palma de Mallorca, Spain.

Professors Della and Rustum Roy, Sridhar Komarneni, Michael Silsbee and adjunct faculty member Anthony Perrotta of the Intercollege Materials Research Laboratory presented papers at the Third Okinaga Symposium held in Tokyo. The theme of the conference was "Materials Science and Engineering Serving Society."

Barry Ruback, professor of crime, law and justice and Population Research Institute affiliate, has received a two-year grant of \$344,975 from the National Institute of Justice for his project, "A Research Partnership in Pennsylvania: The Pennsylvania Commission on Sentencing and the Crime, Law and Justice Program at Penn State." His research will employ a multimethod, multi-subject, multisite evaluation of the use and effect of intermediate sanctions, especially victim restitution. A second evaluation project will assess the impact of changes in sentencing policies on the racial/ethnic composition of Pennsylvania's prisons.

Diane Shoop, assistant director of the State Data Center, is participating on a national committee with the U.S. Census Bureau to evaluate and reengineer the National State Data Center Program. She is also working on the Governor's Liaison for the 2000 Census. She will help to develop a plan to assist the Commonwealth in obtaining a complete and accurate count for the 2000 Census. The process will become a national model.

Jogender Singh, senior research associate at the Applied Research Laboratory and associate professor of materials science and engineering, gave an invited talk on "Nanoparticles Synthesis by a Novel Laser-Liquid Interaction Technique" at the golden jubilee celebration of the Indian Institute of Science in Bangalore, India.

Victor W. Sparrow, associate professor of acoustics, gave the keynote address at the Fourth Worldwide SYSNOISE Users Meeting in Leuven, Belgium. Sparrow, who was the only academic invited to the conference, presented "SYSNOISE, Education and Applied Research at Penn State." Sparrow talked about how the University has begun integrating SYSNOISE, a powerful software tool in computational acoustics, into its acoustics curriculum.

Professor Linda Woodbridge of the Department of English made a lecture tour of Korea this summer, sponsored by the Shakespeare Association of Korea. She gave plenary addresses at the International Shakespeare Conference at Sang Myung Women's University and at the English Language and Literature Association of Korea at Kukmin University. She also lectured to students and professors at Yeungnam University, Sogang University, Ewha Women's University and Han Yang University. The topics of her lectures included Shakespeare in a global context, women writers of the English Renaissance, love poetry and marriage theory of the English Renaissance, and Shakespeare's tragedy "King Lear."

Researchers interested in recycling to study used mushroom compost

By A'NDREA ELYSE MESSER
Public Information

A team of researchers will study mushroom substrate, the medium in which commercial mushrooms are grown, with an eye toward the best recycling method.

The Pennsylvania mushroom industry, the nation's leading producer of commercial button mushrooms, uses more than 500,000 tons of compost each year. The growth medium is composed of a mixture of straw, hay, and horse and other manures, and is composted before use.

"The compost is used for about two months and then discarded," said Patrick G. Hatcher, director of Penn State's Center for Environmental Chemistry and Geochemistry and professor of fuel science and geosciences and chemistry. "The spent mushroom substrate must be weathered for two years before it can be reused."

The mushroom industry has identified potential uses for this substrate as a soil amendment or potting media, in mine reclamation and wetland establishment. Other uses may be possible, but not much is known about the weathering of the spent substrate or the leachate that drains from the compost when it is spread over a field to weather.

Hatcher, C. Peter Romaine, associate professor of plant pathology; Jon Chorover, assistant professor of environmental soil chemistry; and Richard H. Fox, professor of soil science, will analyze and characterize the weathering compost over a three-year time span.

This joint College of Agricultural Sciences and College of Earth and Mineral Science project is sponsored by MIFBAR, Mushroom Industry Fiber-Based Applied Research Project, a legislative initiative to increase the use of mushroom soil.

The project will be carried out on farm land owned by Vincent Santucci, operator of Elite Mushrooms in Avondale, Pa. A series of lysimeters — containers that will catch the liquid that leaches out of the substrate — were



Patrick Hatcher, left, C. Peter Romaine, Richard Fox and Jon Chorover examine some of the mushroom substrate in one of the University's growing chambers, top. At right are mushrooms growing at the mushroom research center at University Park. They are very near their first flush, or harvesting.

Photos: Greg Gricio

built at the surface, just below the level of the compost and then three feet below that.

The researchers will take water samples from these lysimeters following precipitation events to assess leaching from the piles of spent mushroom substrate. They also will take solid samples from the top, middle and bottom of the weathering compost at three-month intervals. Water and compost samples will be analyzed for both organic and inorganic composition.

"A multitude of methods will allow us to evaluate the trends in carbohydrates, proteins, lignin and other organic species as a function of weathering," said Hatcher.

Other analysis will investigate the soluble salt contents of the compost and the nitrogen content and composition. The leachate collected from the lysimeters will be analyzed for the



same organic and inorganic contents.

"When we are done, we should know what is going on in the weathering compost, what is leaching out of the compost and what the final composition of the compost is," said Hatcher. "We will then know how the spent mushroom substrate can best be reused and how to weather it in the best way for both the environment and recycling."

Jets of the future pose problems for jet fuel

The next generation of advanced supersonic aircraft will be cooled by jet fuel, but only if researchers first find a way to prevent fuel degradation and carbon buildup.

"Today's aircraft are air cooled, but at the high speeds expected of advanced aircraft, air can't be used for cooling," said Semih Eser, associate professor of fuel science.

The jets need a coolant that will cool the engine and also circulate through the wings and fuselage to reduce the high temperatures caused by air friction. However, because they already carry large amounts of jet fuel, they cannot carry the additional heavy weights of coolant.

"The solution is to use the jet fuel as a coolant before it is burned as a fuel," said Eser.

Jet fuel can be used as a heat transfer liquid, but begins to break down rapidly at above 575 degrees Fahrenheit. The degradation to smaller molecules will not affect the fuel's efficiency, but eventually carbon will deposit out of the fuel onto the fuel lines. This could cause maintenance problems or worse.

"Coal-derived fuels are much more stable than standard petroleum-derived jet A or the military's JP8," Eser said. "But carbon deposition is still a problem."

Coal-derived jet fuels are not commercially available, but Eser, Jun Li, graduate student in fuel science; and Maria Sobkowiak, postdoctoral fellow in polymer science, are experimenting with these fuels to characterize the way carbon deposits on nickel, stainless steel and copper.

The research shows that there are two types of carbon deposits. In the first type, filamentous carbon deposits react with the metal to cause pitting. The second type leaves a buildup of fibrous carbon deposits on the metal, but do not react with it.

The researchers found that if the metal is coated with a type of silicon dioxide, the deposition with pitting does not occur. Eser said it may be possible to modify the surface of fuel lines so that filamentous carbon does not form.

"However," Eser said, "to eliminate carbon deposition completely, we need a reformulation of the fuel."

Impact of psychological stress on the immune system

Research suggests that individuals who are not producing as many "stress hormones" have a better functioning immune system and therefore may fight off viral infections or bacterial infections more easily.

Robert Bonneau, assistant professor of microbiology and immunology in the College of Medicine at The Hershey Medical Center, researches the impact of psychological stress on

the immune system. He said researchers have known for years that stress negatively impacts the immune system, but that it is only in the past decade that researchers have begun to understand the links between stress and disease at the molecular level.

"The immune system was studied for years by itself. We now realize that the immune system,

endocrine system and nervous system all affect each other. None of these systems works in a vacuum," Bonneau said.

Bonneau said his work will continue to focus on just how the immune system is affected by stress. "We are really only beginning to understand the effects of stress on the body," Bonneau said. "There is still a lot of work to be done."

Free computer sessions being offered Jan. 5-9

The Center for Academic Computing invites faculty, staff and teaching assistants to take advantage of the free learning opportunities offered through Winter-Fest 98, a series of computer workshops to be held Monday, Jan. 5 through Friday, Jan. 9, 1998. Whether you are just beginning to use technology or are a more experienced user looking to learn something new, these workshops will be useful. Most workshops are hands-on and include topics on general computing skills, the Internet and incorporating technology into the classroom.

The list of workshops offered can be viewed on the Web at <http://cac.psu.edu/training/winterfest>. Please note that an access account is required for registration and attendance at all seminars. Seminar correspondence will be sent via e-mail.

To register by phone, please call (814) 863-9522 or send e-mail to seminars@psu.edu. Please include your user ID, Penn State ID, last name and the name of the seminar.

Please feel free to contact Cari Howlin at ch25@psu.edu or at (814) 863-5769 with any questions.

Shaver's Creek set to mark UseLess Stuff Day

Shaver's Creek Environmental Center is celebrating the Third Annual Use Less Stuff Day on Nov. 22, from 10:30 a.m. to noon.

During the five weeks between Thanksgiving and New Year's, it is estimated that the nation's trash increases by an extra 1 million tons per week. During the Third Annual Use Less Stuff Day, Shaver's Creek will share creative, fun ways to cut down on holiday waste in its effort to minimize the excesses of the holiday season.

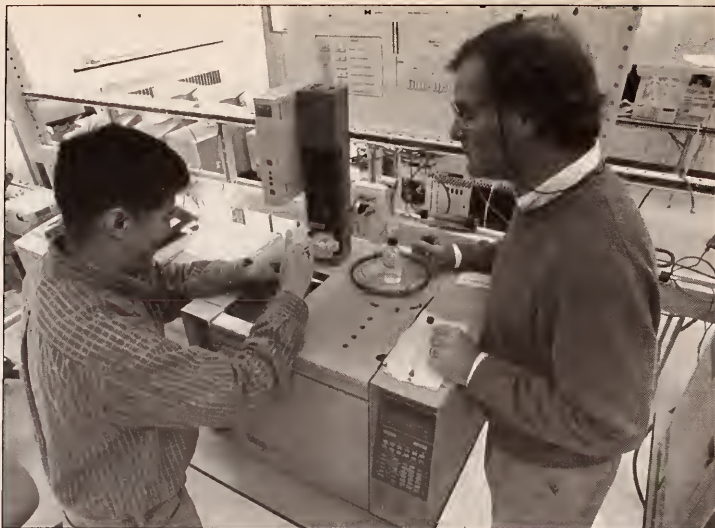
The event is free to the public. Pre-registration is required. Call (814) 863-2000 or (814) 667-3424 to register.

For the record

In a page 1 story in the Oct. 16 issue about the dedication of the Hobby-Eberly Telescope in Texas, the name of Carolyn Eberly Blaney was spelled incorrectly. Blaney spoke at the dedication on behalf of the Eberly family, which provided a \$1.5 million gift toward the construction of the telescope.

Check the Web

You can find the electronic version of this issue and an archive of past issues by pointing your browser to www.psu.edu/ur/INTERCOM



Working together

Victor Ku, a senior chemistry major, under the guidance of Dick Henry, lecturer in chemistry and director of analytical chemistry laboratories, is getting hands-on experience with a state-of-the-art gas chromatograph — the same kind of analytical chemistry equipment used in chemical, pharmaceutical, foods, environmental and many other types of companies.

The equipment recently was obtained by Penn State in a partnership with Hewlett-Packard, the Eberly College of Science and Continuing and Distance Education. Students in 400-level analytical chemistry courses get to use the equipment when it is not being used by Hewlett-Packard trainees earning Penn State continuing education credits.

An open house, including guided tours of the newly renovated lab, will take place in 331 Whitmore Laboratory on the University Park campus from 3 to 6 p.m. on Thursday, Nov. 13.

Photo: Greg Grieco

Obituaries

Former Penn State Harrisburg faculty member John W. Harman Jr., 68, died Sept. 30 at his home in Camp Hill. Harman taught in the School of Science, Engineering and Technology from 1971 to 1991.

A consulting engineer and land surveyor, he was a graduate of Penn State and attended the former California State Teachers College and Northwestern University. He was a U.S. Army veteran.

Ellen M. Laun of Penn State Fayette died Thursday Oct. 2, following a lengthy illness. A memorial service honoring her will be held in the campus auditorium from 12:30 to 1:45 p.m. Thursday, Nov. 20.

Laun began her career at the Fayette Campus in 1979 as administrative assistant in academic affairs. Later in 1986, Laun served as acting director of academic affairs until September 1987, when she became the Undergraduate Studies Program coordinator. In addition, she also taught English and educational classes at the campus.

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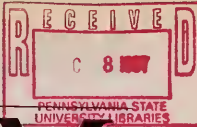
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Volume 27, Number 13

Arboretum plans still on drawing board

By BILL CAMPBELL
Special to Intercom

Close your eyes and imagine an outdoor classroom — a place of beauty in an expanding metropolitan area that can become an "institute for land health." A place that draws hundreds of visitors, scholars and new faculty to Penn State. That is part of the vision for a proposed 370-acre arboretum on the University Park campus.

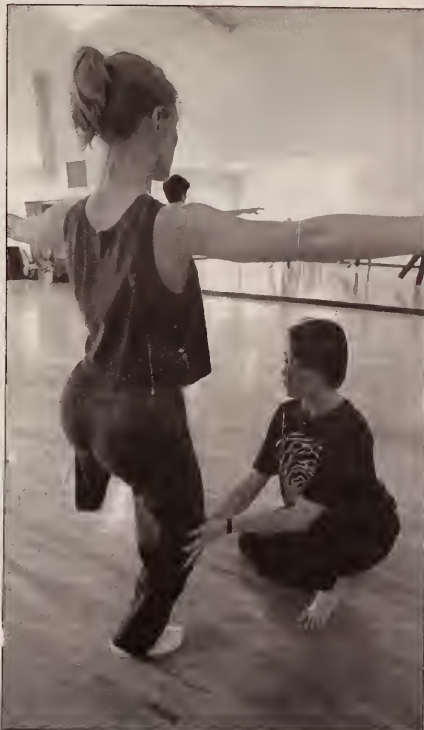
- Combine with those images, the idea of it being:
- A significant scientific and aesthetic resource.
- Full of thematic landscapes that provide ideas on everything from design for winter to gardens of the senses, to ecologically sustainable front yards.
- An outdoor classroom used by numerous academic programs and known for excellence and innovation in interdisciplinary approaches to environmental and conservation issues.
- A site for reconstructions of local prairie and forest communities and the protection of groundwater resources.

"The educational mission is foremost in our sense of purpose for an arboretum, but the aesthetic and cultural benefits will make it a significant University and community resource," said Kim C. Steiner, professor of forest biology and chair of the Penn State Arboretum Task Force.

The proposed site of the arboretum would include University farmland north of the campus (Big Hollow lands) and the Mitchell Tract on which Schreyer House, the University president's residence, is located.

"The location is unique in that it is situated between the University, the community, a transportation corridor (Mount Nittany Expressway) and the Spring Creek corridor," Steiner said. "It could be developed into a very useful and attractive buffer area."

"An arboretum may be the best use for this site because of its environmental sensitivities. The University well heads, which need protection, are located here and Big Hollow holds some rare plants and a very nice oak woodlot that is approaching two centuries in age."



With style and grace

K.T. Huckabee Milburn, right, instructor of advanced modern dance at University Park, shows student Berly Colless proper body position for a dance routine she was performing in class. The dance class meets in the White Building.

Photo: Greg Genco

Board votes to take on more debt

The Board of Trustees recently approved a resolution to increase the University's long-term debt by \$101 million to be used only for projects that clearly advance the University's mission.

For more information on Board of Trustees' actions, please turn to page 4.

"The last time a similar proposal was brought to the Board of Trustees for approval was in May 1990 for a bond issue of \$75 million. Since that time the University has not issued any new debt through long-term bonds because we maintain a cautious attitude toward debt," said Gary C. Schultz, senior vice president for finance and business/treasurer.

See "Bond issue" on page 6

Behrend's park gets Trustee nod

Construction of the Penn State Erie Knowledge Park is moving ahead on schedule as the Board of Trustees approved a 51-acre lease agreement between the college and the Greater Erie Industrial Development Corporation.

"The Knowledge Park is a critical component in Penn State-Behrend's long term plans to strengthen and diversify the economic base in Erie," said John M. Lilley, provost and dean of the college.

According to Robert Light,

See "Knowledge" on page 6

Inside



Holiday sounds

Get ready for another holiday concert with Kenny Rogers. The singer returns to The Bryce Jordan Center on Dec. 16. For more information on his concert or other Jordan Center events, please turn to page 8.



Delving into a drought

University researchers are looking at different ways to diagnose drought by looking at the rings of trees found inside the trunks. For more on this story, turn to page 15.

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Penn Staters

Abhay Ashtekar, holder of the Eberly family chair in physics and director of the Penn State Center for Gravitational Physics and Geometry, was invited to present lectures at three international conferences. He gave the plenary lectures titled "Quantum Geometry and Black Hole Entropy" and "Large Quantum Gravity Effects: Unforeseen Limitations of the Classical Theory" at the Workshop on Canonical and Quantum Gravity at the Banach Center in Warsaw, Poland. At the Physical Research Laboratory in Ahmedabad, India, he presented three lectures in the Golden Jubilee Distinguished Lectures series titled "Space and Time: From Newton to Einstein and Beyond," "Laboratory Colloquium: Quantum Mechanics of Geometry" and "Theory Seminar: Geometry of Quantum Mechanics." Ashtekar presented three talks in the Distinguished Lecture Series under the auspices of the Mexican-American Foundation of Science in Mexico City, Mexico, titled "Large Quantum Gravity Effects," "Quantum Theory of Geometry" and "Black Hole Thermodynamics from Quantum Gravity."

Eric J. Barron, professor of geosciences and director of the Penn State Earth System Science Center, has been selected as the 1997-98 distinguished lecturer of the American Association of Petroleum Geologists. He will make a number of lecture tours to universities around the United States in the coming months, speaking on paleoenvironmental analysis, and the role of geography and carbon dioxide in governing the circulation of the atmosphere and ocean in ancient times.

Cathy Bowen, assistant professor of agricultural and extension education will serve as the 1997-98 chair of the history and archives committee for the American Association of Family and Consumer Sciences.

Several extension agents received awards at the annual meeting of the National Association of County Agricultural Agents in Burlington, Vt. Paul Craig, senior extension agent in Dauphin County, and Scott Guiser, extension agent in Bucks County, received Distinguished Service Awards. Mary Sue Shick, associate extension agent in Washington County, and J. Craig Williams, associate extension agent in Tioga County, received Achievement Awards.

Richard Fiene, affiliate assistant professor of psychology and education at Penn State Harrisburg, was a selected participant at the White House Conference on Child Care hosted by President and Mrs. Clinton. Fiene presented his latest research on evaluating Pennsylvania's early childhood development training system.

Global business authority Fariborz Ghadjar, a member of The Smel College of Business Administration faculty, was recognized by *Business Week* magazine as one of the "new stars of finance." According to the cover story, Ghadjar was one of nearly two dozen bankers, regulators, scholars and accountants "likely to lead the financial world into the new millennium." In addition to his duties at the University, he is founder of the Intracorp Group in Washington, D.C., an organization that has helped build new capital markets in emerging countries such as Kazakhstan and Romania.

Irwin Feller, director, Institute for Policy Research and Evaluation and professor of economics, has been appointed to the National Academy of Sciences' Committee on Science, Engineering and Public Policy, Panel on International Benchmarking of U.S. International Competitiveness-Immunity.

Elizabeth A. Hanley, associate professor of kinesiology, represented the National Folk Organization (NFO) of the U.S.A. at the 28th World Congress for Organization of International Folklore Festivals in Greece. Hanley is president of NFO and director of the Penn State International Dance Ensemble.

Paul Heinemann, associate professor of agricultural engineering, received the 1997 A.W. Farrall Young Education Award from ASAE, the society for engineering in agricultural, food and biological systems.

Lawrence Hutchinson, professor of veterinary science, was one of 200 leaders in agricultural and natural resources named by Alpha Zeta fraternity to its Centennial Honor Roll. Alpha Zeta is the nation's oldest professional honorary society, recognizing leadership, scholarship and service among people in agriculture and natural resources.

Bruce E. Logan, the Kappe professor in environmental engineering, has been elected to a yearlong term as president of the Association of Environmental Engineering Professors.

Joseph G. Meyers, assistant professor at speech communications of Penn State Abington, received the Carroll Arnold Distinguished Service Award from the Speech Communication Association of Pennsylvania, SCAP. The award annually honors an individual who has provided outstanding service to SCAP.

The 300 members of SCAP are speech teachers and other professionals who have an interest in furthering the cause of speech communications in Pennsylvania.

Gary Mullen, professor of mathematics, recently presented an invited workshop titled "Finite Fields: Theory and

Application" at the University of Witwatersrand's Centre for Applicable Analysis and Number Theory in Johannesburg, South Africa. The workshop, which was intended to help broaden the base of research as well as applications at the center, consisted of 10 lectures. Mullen also presented an invited talk titled "Open Problems in the Theory of Finite Fields" at the joint American Mathematical Society and South African Mathematical Society meeting held in Pretoria.

Gary Petersen, professor of soil and land resources, was elected president of the Soil Science Society of America for a three-year term.

Women's basketball head coach Rene Portland has been named the 1997 USA Basketball's Developmental Coach of the Year.

In July, Portland made USA Basketball history, guiding the United States to its first-ever medal—a gold—at the FIBA Women's Junior World Championship in Brazil. Portland also coached the 1996 USA junior women to the silver medal at the Women's Junior World Championship Qualification Tournament in Mexico; was head coach of the 1986 USA Junior National and the 1985 U.S. Olympic Festival West teams; and assistant coach on the 1993 USA Junior World Championship Team.

Jorge Pullin, associate professor of physics, gave the plenary lecture titled "Chern—Simons States in Quantum Gravity" at the Workshop on Quantum Gravity at the Banach Center of the Polish Academy of Science in Warsaw, Poland. Pullin also gave an invited lecture titled "Gravitational Waves: A New Window to the Universe" at the Center of Studies La Canada and a seminar about relativity titled "Large Quantum Gravity Effects" at the University of Cordoba in Argentina.

Calyanpudi R. Rao, holder of the Eberly chair in statistics and director of the Center for Multivariate Analysis, has been inducted into the Hall of Fame of the National Institution for Quality and Reliability in India. Rao received the recognition for his pioneering efforts and outstanding contributions to the advancement and promotion of the Quality Movement in India during the last four decades. According to the institution, Rao was instrumental, when he served as director of the Indian Statistical Institute, in establishing a network of Quality Application Services organizations in various parts of India and in establishing quality specialist development and training programs at postgraduate and professional levels.

Clayton O. Ruud, professor of industrial engineering, has been named a Fellow of the American Society for Metals International. Ruud, who is one of 49 people inducted into the society's 1997

class of Fellows, was cited for contributions to the nondestructive characterization of materials in manufacturing processes and product development, and for involvement in technology transfer between academia and industry.

ASM, a materials information society, established the honor of Fellow to recognize members for distinguished contributions in the field of materials science and engineering.

Karen Wiley Sandler, campus executive officer and dean of Penn State Abington, received the Speaker of the Year Award from the Speech Communication Association of Pennsylvania. SCAP Sandler was cited for her commitment to the education of women.

The 300 members of SCAP are speech teachers and other professionals with an interest in furthering the cause of speech communication in Pennsylvania.

Joseph L. Schafer, assistant professor of statistics, has received a Senior Research Fellow Award from the American Statistical Association under a grant from the National Science Foundation, and in cooperation with the Bureau of Labor Statistics. The award is intended to bridge the gap between academic scholars and government social-science research by supporting research on methodological problems and analytical issues relevant to Bureau of Labor Statistics programs. Schafer is conducting research on survey-item imputation at the Bureau of Labor Statistics with the support of the Senior Research Fellow Award.

Sanford Smith, natural resources and youth specialist in the School of Forest Resources, received the First Place National Winner Forestry Extension and Woodland Management Award from the American Tree Farm System and the National Association of County Agricultural Extension Agents for his work as an extension agent in Warren County.

Soledad Traverso, assistant professor of Spanish, gave an invited talk on "The Concept of Superiority in G. Gomez de Avellaneda: The Construction of the Independent Self in a 19th Century Cuban Woman" at the Eighth International Conference of the Asociación de Literatura Feminista Hispana.

James Ziegenfuss, professor of management and health care systems at Penn State Harrisburg, gave two plenary lectures at the annual Tricare Europe Executive Education Conference in Willingen, Germany. The presentations were on designing quality policy and practice models and on improving customer service in health care organizations.

Arboretum

continued from page 1

The Arboretum Task Force's final report currently is being used as the basis for an arboretum plan being developed by Sasaki Associates Inc., of Watertown, Mass., a renowned landscape architectural firm that has done planning work on the Arboretum at Harvard University and the new arboretum at the University of Illinois, to name a few.

David Zehngut, task force member and architect/planner in the Office of Physical Plant, which commissioned the study, said the firm has been asked to develop a plan for the entire arboretum that could be incorporated into the master plan of the University. He expects the final draft of the firm's proposal to be available to the task force in December.

"We're looking at the proposed arboretum as much more than a tree museum," said Eliza Pennypacker, professor and head of landscape architecture and a task force member.

"Our planning group sees it as an opportunity to meld teaching, research and outreach throughout the University in an exciting and energizing environment. The range of opportunities provided by an arboretum is enormous. We firmly believe that every college in the University could benefit in some way from involvement with this facility. And the usefulness of an arboretum to local schools and clubs, community members and alumni is great."

The task force report identifies a number of components as "essential" to the overall plan for the arboretum. They include:

- The Public Green, which would serve to provide potential pedestrian and vehicular entry to the arboretum.

- Theme Gardens, which could include herbal, vegetable, butterfly, formal, children's, Japanese, winter and perennial gardens.

- Residential Demonstration Zones to provide a variety of landscape solutions demonstrating a range of innovative design and construction techniques.

- Ecosystem/Habitat Zones to provide field research and educational opportunities.

The report recommends relocation of the existing Trial Flower Gardens to serve as a "cornerstone" to the proposed arboretum.

Acreeage also is set aside for greenhouse display areas, plant propagation/greenhouse areas, passive research/open space, picnic areas, and indoor and outdoor classroom and performance facilities.

The task force envisions the arboretum as serving as an educational facility for the environmental sciences in general.

"We're hoping that the arboretum will be independent of any college, and that we can get faculty and staff from across the University interested in doing educational programs and research," Steiner noted. "We also hope very much that it will foster interdisciplinary collaboration on environmental and ecological problems."

"Potentially, all colleges that have programs related to environmental sciences, will find it important, as may others who do not."

According to Leon J. Stout, University archivist, there have been a number of significant efforts to establish a Penn State arboretum, dating back to 1907 (see box at right). None has been successful.

"It's been easy to put arboretum proposals on the back burner," Steiner said. "First, there always has been space near campus where it could be put eventually. It always was a decision that could be put off."



Proposed site

A view of a portion of the proposed site of the 370-acre arboretum on the University Park campus. This section is between Fox Hollow Road and the Schreyer House.

Photo: Greg Grieco

"Secondly, Penn State didn't have the stature it has now. There always were perceived higher needs in the past. But I think we've now entered the class of institutions where facilities such as this are important. If you consider the Big Ten as peer institutions, all of those similar to Penn State — land-grant universities with programs in horticulture, forestry and landscape architecture — have an arboretum or botanical garden."

"I don't think we can put it on the back burner any longer. There are no good alternatives to this proposed location, and, if this area is not set aside now, it gradually will be carved up for other purposes. We have to decide now if we'll have an arboretum or not."

Planners emphasize that whether or not the arboretum becomes a reality will depend significantly on private funding.

"The proposed arboretum is an extremely exciting University-wide project, and we are hopeful it will go forward," said Paul Wangsness, senior associate dean in the College of Agricultural Sciences. "I recognize that we will have to work hard to raise funding for it, but I think this is the first time we will have a comprehensive planning document along with a cost of the project. This should position us to attract interest from potential donors."

Donald Hamer, president of State of the Art and chairman of the capital campaign for the College of

Rocky road to arboretum

Throughout its history, efforts have been made to establish an arboretum on the University Park campus.

Among the activities identified by Leon J. Stout, University archivist, are:

- 1907 — The Charles N. Lowrie plan for the campus proposed maintaining the large stands of trees on campus around the current Nittany Lion Inn and in Hort Woods, which was to be a park. To the east of Hort Woods would be a botanical garden and greenhouses.

- 1914 — The Board of Trustees accedes to the requests of the Forestry and Landscape Gardening departments and sets aside 25 acres in what is now the northeast corner of the golf course for an arboretum. No actual development takes place, however.

- 1924 — Trustees adopt a comprehensive plan for landscape development designed by Warren H. Manning of Cambridge, Mass. The plan initially called for an arboretum on the old golf course location. After much debate, Manning wrote President John C. Thomas, "I do not consider an arboretum advisable or practical on a general section set apart for this purpose. We can provide in general plantation (around the campus) all varieties of proven value and some experimental material."

- 1925 — Faculty are critical of giving up the arboretum space on the golf course and the separate arboretum concept, but the administration follows Manning's advice.

- 1927 — J. R. Bracken, professor of landscape architecture, proposes a memorial arboretum and recreation area for Thompson Spring (on both sides of the current College Avenue between University Drive and Porter Road). The senior classes of 1927-1931 pledge their class gifts for the project, but, because of the Depression, the college cannot collect enough funds to complete the project.

- 1938 — Trustees renew approval of the Thompson Spring plan, but funding is still unavailable.

- 1972 — A committee to create a comprehensive proposal for an arboretum is appointed by Provost (and former dean of agriculture) Russell Larson.

- 1973 — The committee's report says the campus, with more than 750 species, should be recognized as an arboretum. A tract of about 320 acres of farmland north of the campus (Big Hollow lands) is identified as the most appropriate site for the plan. In September, the Trustees reserve that space for an arboretum.

- 1976 — Master plan for an arboretum is developed by Glenn Steyers, professor of landscape architecture, in preparation for fund-raising efforts.

- 1977 — Trustees authorize a fund-raising effort of more than \$9 million to construct the arboretum and its buildings and to create an endowment to maintain it.

- 1978-80 — Fund raising moves slowly and the project languishes.

- 1995 — A Penn State Arboretum Task Force, appointed in 1994, issues a report recommending an arboretum site to include the land previously designated by the Board of Trustees in 1973 and the newly-acquired Mitchell tract.

- 1996 — Sasaki Associates Inc. is retained to develop a preliminary Arboretum Master Plan to be incorporated into the University Master Plan.

— B.C.

Arts and Architecture, said an arboretum "would be a tremendous community asset. In addition to its academic value, it could serve almost as a central park."

Hamer, who is past president of the Clearwater Conservancy, said that, in light of the current widespread interest in environmental issues, the public might be interested in helping to fund it.

"The time is right if the University wants to take a leadership role in creating a forward-looking facility, an arboretum for the 21st century that would be a true benefit to the Commonwealth," Pennypacker added.

"We'll keep our fingers crossed that it will attract support from a number of donors. If we harness our energies, we can create something spectacular."

From the Trustees Docket

Year-round orientation helps students succeed

By KAREN J WAGNER
Public Information

With Spend a Summer Day programming, Web-based advising and a plan to introduce freshmen seminars, Penn State orientation is a lot less likely to strike fear in the hearts of its first-year students.

John Cahir, vice provost and dean for Undergraduate Education, gave an overview of Penn State's user-friendly approach to freshmen orientation to the Board of Trustees.

Today's orientation is a cooperative effort with students, faculty and staff working together, unlike the orientation many may remember from their own college days — when they were intimidated by professors and upperclassmen and wondered how they would survive.

"Our messages are straightforward," said Cahir. "Beyond setting high goals and offering advising support, students also need to work hard and involve themselves in the learning community. We want them to get to know and work closely with faculty and senior staff members."

At the University, orientation is a year-round process, rather than a few bewildering days. In the early summer months, Spend a Summer Day programming offers prospective students the opportunity to visit academic colleges, faculty and staff. During the application, acceptance and welcoming process, students receive viewbooks, brochures and letters from the president, the admissions office and the student's college.

The Freshmen Testing Counseling and Advising Program (FTCAP) consists of an all-day visit during the spring or summer with joint and individual activities planned for students and parents. Students meet with faculty and professional advisers to dis-

"Beyond setting high goals and offering advising support, students also need to work hard and involve themselves in the learning community. We want them to get to know and work closely with faculty and senior staff members."

John Cahir, vice provost and dean for Undergraduate Education

cuss their test scores and academic plans. Before they leave, their first-semester courses will be scheduled.

Fall brings the start of classes and more than 180 programs to orient students. From pizza parties to book discussions and visits to faculty and staff homes, students familiarize themselves with the social and academic aspects of college life. Last year, a University Orientation Group was established to oversee these activities and ensure continuity with input from students and colleges.

New this year was the Orion freshmen wilderness orientation. Sponsored by the Penn State Outing Club and Shaver's Creek Environmental Center, incoming freshmen were invited to spend a week hiking and forming new friendships during two one-week trips offered the month before classes started. Students who enrolled for either session received two credits toward their general education requirements.

This year Penn State also revived its convocation for new students. President Graham B. Spanier addressed about 4,000 of those students at the Bryce Jordan Center during their first evening on campus. Spanier's remarks, which emphasized the University's

commitment to personal and social responsibility, also were delivered to all campus locations via videotape. Students already had received their first piece of correspondence from Spanier — a letter sent to their homes that offered his welcome and encouraged them to avoid alcohol abuse.

"In the future, we are going to rely much more heavily on electronic communications to carry, reinforce and expand these vital messages," Cahir said.

The Comprehensive Academic Advising and Information System (CAAIS), launched last spring, will play a key role. Originally conceived to help advisers and advisees gain easy access to academic records, the advent of Web technology has made it even more useful.

CAAIS will keep students up to date on internships, coops, education abroad programs, and research and leadership opportunities that will round out their classroom experiences. Future plans include diagnostic tests that will enable students to evaluate their strengths and weaknesses and learn strategies for improving their academic performance before they arrive on campus.

The final piece of Penn State's new approach to orientation may be in place soon. This December, the University Faculty Senate will vote on a proposal to offer all freshmen a small seminar class with a regular faculty member in their college. The seminar, part of a Faculty Senate proposal for improving general education, will introduce students to key concepts in their prospective majors, enable them to get better acquainted with faculty in the department and build the skills required at a major research university.

"We believe that we can improve significantly on an orientation enterprise that is already quite good," Cahir said. "Students will gain an educational experience that is very personalized and in tune with their long-range goals."

Architects selected for town-gown visitor center

A countywide visitors center came one step closer to reality Nov. 7, when the Board of Trustees approved the appointment of architects to design the facility that will serve both the University and the community.

The University, in partnership with the Lion Country Visitors and Convention Bureau and with the cooperation of the Centre County Chamber of Business and Industry, recommended that Kieran, Timberlake & Harris of Philadelphia be selected to begin design work for a facility to be built on University property, possibly on Park Avenue near Fox Hollow Road on the University Park campus.

"The Visitors and Convention Bureau will serve as a welcoming center for Penn State as well as Centre County," said Gary C. Schultz, senior vice president for business and finance/treasurer. At this point, plans for the center include a lobby/reception area, a sales area, an auditorium for about 150 people, a small conference room and administrative offices. The center will cost approximately \$1.5 million.

Kieran, Timberlake & Harris have completed a number of projects on the University Park campus, including renovations to Keller Graduate Center, Osmond Laboratory and University Support Building 2. It is currently conducting design studies for a new child care center, which will be built on the site of East View Terrace graduate student housing on East College Avenue.



Architect's rendering

This drawing shows the proposed connector between the planned HUB-Robeson Complex and White Building on the University Park campus.

Building connector approved

The Board of Trustees approved a two-story connector between the planned HUB-Robeson Complex and the White Building on the University Park campus.

The design is by Williams Trebilcock Whitehead Architects of Pittsburgh, who also created the HUB/Robeson Complex. The 19,180-square-foot walkway will be finished in brick veneer and precast stone trim, matching the HUB/Robeson complex, now in the initial stages of construction and planned for completion in fall 1999.

The connector will extend from the new Paul

Robeson Center, which will be built on the south side facing the HUB lawn. It will extend along the front of the Penn State Bookstore and join White Building at the existing walkway between the two wings of White Building.

The lower level of the connector will be an open arcade, allowing easy access in all directions, between the HUB/Robeson Center, the Penn State Bookstore, White Building and Shortridge Road. The second level will be enclosed in glass for weather protection. The construction budget is estimated at \$2.8 million.

From the Trustees Docket

Indoor sports facility, residence hall approved

By ALAN JANESCH
Public Information

Preliminary sketch plans for an indoor multi-sport facility at University Park and a residence hall at Penn State Erie, Behrend College, have been approved by the Board of Trustees. The board also approved names for a new football training facility, the former Zetachron Building in Ferguson Twp., and residence halls at Penn State-Behrend.

The new indoor track facility, just south of The Bryce Oval Center, will be used both for varsity and recreation sports. The new facility will replace the existing indoor track facility in the old ice skating rink at the Greenberg Indoor Sports Complex, and the existing facility will be razed to make space for a new football training facility.

The new 128,150-square-foot facility is being designed by the joint venture firm of Hoffman-Popovich of Boalsburg and NBBJ of Columbus, Ohio. It will house a 200-meter track and sprint lanes, four basketball courts inside the track oval, a multi-purpose, artificial-turf practice field, locker rooms and storage space, and 800 seats for spectators.

The estimated construction cost for the project is \$10.6 million.

Measuring 578 feet by 219 feet, the new facility will be oriented at right angles to the existing outdoor track near the Jordan Center. The main pedestrian access will be at the north end. A pedestrian walkway will extend from University Drive, run along the Jordan Center's service drive and lead to the new facility's main entrance. Alongside the walkway will be an open space large enough for a soccer field.

The exterior of the building will



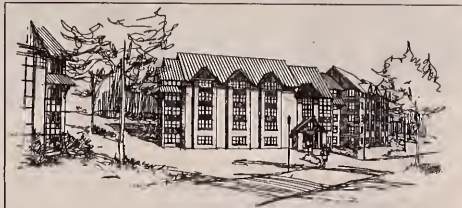
Artists' conceptions

These preliminary sketches show what's planned for the indoor multi-sport facility at University Park, above, and a new residence hall at Penn State Erie, Behrend College, right. The two projects were approved by the Board of Trustees last week.

be made of brick that matches the exterior of the Jordan Center. Its arched roof will have a standing seam metal surface. The north gable end will be enclosed with glass, to highlight activities inside the facility.

The new residence hall at Erie, the second building in a three-building project, will be a 75,327-square-foot, four-story building that will house about 265 students. It will include 64 single-occupant rooms and 96 double-occupant rooms, 9 single rooms for resident hall assistants and disabled students, as well as lounge and study spaces.

The building is being designed by Hoffman-Popovich Architects and Associates of Boalsburg. The total project budget is \$10.9 million.



The board also:

- Named a new football training facility at University Park the E. Lasch Football Building. The name is now being used for the existing football building, which will be used for other sports when the new facility is built.

- Named the former Zetachron building, at 1981 Pine Hall Road, Ferguson Twp., the Zetachron Center for Science and Technology Business

Development. The building is being renovated for use as a science and technology business incubator.

- Named two proposed residence halls at Penn State Erie — Ohio Hall and Trippe Hall. The names are in keeping with the tradition of naming Erie's residence halls after ships and military personnel involved in the Battle of Lake Erie during the War of 1812. The "Ohio" was a schooner and the "Trippe" a one-gun sloop.

HRDC helps employees upgrade skills

If University employees want to work better on teams, become better leaders, improve their communication skills, expand their technical expertise or learn more about wellness and health, they know that the Human Resource Development Center (HRDC) can help them get the skills and knowledge they need.

HRDC not only responds to the changing work environment, it also anticipates the needs of employees and organizations, the Board of Trustees was told. Last year the center offered 452 programs through 817 different sections, delivered more than 300 hours of facilitation and consultation services, and collaborated on programs with more than 40 other University departments.

"The University is rapidly

changing in response to a more global, competitive work environment," Lenny Pollack, HRDC manager, said. "We are helping employees and organizations meet their increased needs for updating skills, developing a customer orientation, encouraging teamwork, and promoting flexible responses to challenges in the workplace."

HRDC is part of the University's Office of Human Resources. A glance at HRDC's latest program catalog shows that it provides a wide range of training, facilitation and consulting services and offers scores of professional development programs.

A professional development survey coordinated by the center suggests that the typical University employee prefers 41-80 hours

of professional development a year, ample time and financial support for professional development, a systematic professional development curriculum for supervisors and managers and University-wide guidelines related to funding and participation in professional development activities, Pollack said.

"HRDC has developed a strategic framework to guide its activities," Pollack said. "Our vision is that Penn State faculty and staff will continuously improve their ability to work with quality, respect and kindness toward others. In applying their expertise, faculty and staff will provide students with an exemplary model of individual and organizational behavior in the world of work."

Commonwealth College dean choice endorsed

The Board of Trustees approved the appointment of Joseph C. Strasser as dean of the Commonwealth College, effective Nov. 17. The college represents 12 campus locations and provides instruction and research opportunities, mostly at the undergraduate level.

Strasser has been campus executive officer at Penn State DuBois since July 1995.

Under the reorganization plan approved by the state in January, the Commonwealth College became the University's largest college. The college has a total enrollment of approximately 14,000 students, a full-time equivalent faculty and staff of 1,300, and a budget of roughly \$60 million.

The dean of the Commonwealth College, reporting directly to John Brighton, executive vice president and provost, will serve as the principal academic leader and chief executive officer of the college. The dean will be responsible for planning, budgeting, implementation, fund-raising, and the quality of teaching and research in the Commonwealth College.

From the Trustees Docket

Education programs see variety of changes

The Board of Trustees has approved the following changes. For a full explanation of the changes, visit the Web at <http://www.psu.edu/jur/INTERCOM>. Please click on "news" to see the index of Board of Trustees' actions.

Undergraduate Programs

College of Agricultural Sciences
— A new major in agroecosystems science involving the departments of Agronomy, Entomology, Horticulture and Plant Pathology; 130 credits are required.

The Mary Jean and Frank P. Smeal College of Business Administration

— New minor in operations management to allow students to bring perspectives from their current majors and ally those perspectives to the problems in operations management; 18 credits are required.

College of Earth and Mineral Sciences

— Change in name from option in cartography, remote sensing and geographic information systems to option in geographic information science. Change reflects the joining of these three activities more than a decade ago into one collective vision and more integrated sub-field within the discipline.

College of the Liberal Arts

— Change in name from major in classics to major in classics and ancient Mediterranean studies. Also change in name of option in classics and ancient Mediterranean studies to option in classical studies. These changes are consistent with the new orientation of the department's programs, thereby achieving its goal to study the ancient Mediterranean world in a broad and interdisciplinary context.

— New minor in classics and ancient Mediterranean studies; 18 credits are required.

— The options collective bargaining and employee relations were dropped from the major in labor and industrial relations, because of changes in the field of labor studies and industrial relations that requires students to have a greater exposure to the skills, knowledge and issues addressed in labor and industrial relations courses, as well as in the fields of economics, management, political science, psychology and sociology.

Eberly College of Science

— Mathematical statistics option was dropped from the major in mathematics (B.S. degree)

Penn State Erie, Behrend College

— Added new minor in computer science; 18 credits are required.

— Added new minor in statistics; 28 credits are required.

Office of Undergraduate Education

— Created new interdisciplinary

minor in neuroscience for the student desiring an in-depth knowledge about the basic and functional aspects of the nervous system; 18 credits are required.

Graduate Programs

— The Laboratory Animal Resources Program, Intercollege Research Programs, will now be known as the Animal Resource Program

— The Division of Science at Penn State Erie will now be called the School of Science. The name change recognizes that Penn State Erie already has two schools, the School of Business and the School of Engineering, neither of which differs in its governance, mission and/or academic functions from this division.

— The Division of Humanities and Social Sciences at Penn State Erie has also changed its name. It will now be known as the School of Humanities and Social Sciences.

Knowledge — continued from page 1

associate provost and associate dean, the Knowledge Park will serve as a catalyst for technological innovation in manufacturing and business for the region and nationally for the plastics industry.

"The Knowledge Park was created to promote regional economic development by enhancing manufacturing and business interaction with the University," Light said. "Joint research and technology transfer will result in new processes, new products, new companies, greater employment opportunities, and enhanced wealth creation in the region." The park will house research and development facilities, multi-tenant space for growing businesses, corporate and technical headquarters, and technical and information processing facilities.

Plans call for the Knowledge Park to expand to 200 acres adjacent to Penn State Erie over a 20-year period.

Bond

continued from page 1

Proceeds from the bond issue will help finance the five-year capital plan announced by President Graham B. Spanier in May. The capital plan will cost approximately \$475 million, about \$200 million (roughly \$40 million a year for the next five years) of which has been committed by the Commonwealth. The balance of \$275 million is to be provided from funds available to the University, including about \$50 million in gifts. A number of the capital plan projects qualify for tax-exempt bond financing.

In addition to being central to the University's mission, Schultz said the decision to undertake a long-term debt is based on the principles that there be a measurable and predictable stream of revenue to pay back the debt over no more than 25 years, and that any new debt should not adversely affect the University's credit rating.

Moody's increased Penn State's bond rating in June 1997 from A1 to AA3 with the note that the University planned to issue about \$100 million in new debt shortly, and Standard and Poor rates Penn State at AA-.

"Both of these ratings are very good and the recent upgrade by Moody's will allow us to achieve

more favorable interest rates," Schultz said. "Current market conditions are attractive and our financial advisers project that an 'all-in-cost' for a bond issue at this time will be between 5.4 to 5.5 percent."

The University's current long-term bonds payable as of June 30, 1997, excluding Penn College, was \$379.6 million. The University plans to issue bonds for \$115 million, \$14 million of which will go to refunding the 1992 Series B Bonds, bringing the total long-term debt to \$480.6 million.

"We plan to use the bond proceeds to finance, at least partially, the accompanying list of projects. Each of these will go through the normal Board of Trustees approval process," said Schultz. The portions of the projects to be financed by the bond issue are detailed in the box at right.

"Committing to \$101 million in additional long-term debt at this time is consistent with our debt management principles, will allow the University to take advantage of favorable market conditions

What the bond will finance

- HUB/Robeson Center — \$21.4 million
- Indoor Track and Multi-Sport Facility — \$9 million
- Behrend College Residence II — \$5.9 million
- White/HUB Connector — \$7.2 million
- Berks-Lehigh Valley College Residence at Berks I — \$5.8 million
- McCoy Natatorium Addition — \$7 million
- East Area Locker Room — \$1.4 million
- Capital College Housing — \$8.5 million
- Football Training Facility — \$12.7 million
- Berks-Lehigh Valley College Residence II at Berks — \$6.1 million
- Berks-Lehigh Valley College at Berks Dining Hall — \$1 million
- Capital Improvement and Capital Equipment projects — \$15 million

and will ensure sufficient low-cost financing to accomplish many of Penn State's important capital projects," Schultz said.

Appointments

College of Education promotes professor to department head

Eunice N. Askov, professor of education, is the new head of the Department of Adult Education, Instructional Systems and Workforce Education & Development. She also remains professor-in-charge of the Adult Education Program and director of the Institute for the Study of Adult Literacy.

She has been a faculty member in the College of Education since 1974, having previously taught at the University of Wisconsin-Madison, Bemidji State University, in Minnesota, and high schools and adult education programs. She has assumed a national and international profile in her leadership of the Institute for the Study of Adult Literacy for the past 12 years through various projects relating to applications of technology to instruction, workplace literacy, family literacy, special needs populations and staff development.

Askov was the first Literacy Leader Fellow at the National Institute for Literacy in Washington, D.C., in 1994-95, carrying out research related to skill standards and workplace literacy. She also has conducted research in adult literacy at the University of Western Australia under a Fulbright Senior Scholar's Award. On a sabbatical leave in 1993, she studied applications of technology in adult literacy in developed and developing countries. In addition to numerous journal articles and book chapters, she is author of four textbooks on reading instruction.

She is on the Board of Directors of the American Association for Adult & Continuing Education and represents the institute on the National Coalition for Literacy. At Penn State she is a member of the University Faculty Senate and Senate Council, the Commission for Women, and the College of Education's Strategic Planning Committee and Administrative Council.

College of Engineering welcomes five new department heads

Five new department heads have joined the College of Engineering this fall. Three former department heads have assumed dean's positions at other universities, while a fourth has retired and the fifth returned to full-time teaching.

■ Architectural Engineering

Richard A. Behr, professor of architectural engineering, is the new head of the Department of Architectural Engineering.

He was formerly a civil engineering faculty member at the University of Missouri-Rolla and a senior research investigator at its Graduate Center for Materials Research. His research interests include the structural performance and durability of building envelope systems under



EUNICE N. ASKOV

severe windstorm, earthquake and accelerated weathering effects. He received his B.S. and M.S. degrees in civil engineering from Carnegie Mellon University and his Ph.D. in civil engineering from Texas Tech.

■ Civil and Environmental Engineering

Paul Jovanis has been appointed professor and head of the Department of Civil and Environmental Engineering. He comes to Penn State from the University of California, Davis, where he was a professor and chair of the civil and environmental engineering department and associate director of the Institute of Transportation Studies.

His research focuses on intelligent transportation systems, transportation system safety and transportation system operations. He holds a B.E. in electrical engineering from the Stevens Institute of Technology, an M.S. in civil engineering from the University of Maryland, and a Ph.D. from the University of California, Berkeley.



PAUL JOVANIS

■ Computer Science and Engineering

Before coming to Penn State as the new head of the Department of Computer Science & Engineering,

Dale Miller served on the faculty at the University of Pennsylvania's Computer and Information Science Department. Miller's research includes symbolic logic, the theory of proofs and the design and analysis of computer programming languages and software systems.

He holds a B.S. degree in mathematics from Lebanon Valley College and a Ph.D. from Carnegie Mellon University.



DALE MILLER

■ Industrial and Manufacturing Engineering

A. Ravi Ravindran has been appointed professor of

industrial engineering and the new head of this department. Ravindran comes to Penn State from the University of Oklahoma, where he was a professor of industrial engineering and director of the Center for the Study of Wireless Electromagnetic Compatibility.

Ravindran's research interests are electromagnetic compatibility of cellular phones with medical devices, goal programming, interactive methods for multiple criteria optimiza-



A. RAVI RAVINDRAN

tion, applications of mathematical programming to health planning, quality control, flexible manufacturing systems, transportation networks, hazardous waste disposal and system reliability. He received his B.S. in electrical engineering from Birla Institute of Technology and Sciences, and his M.S. degree and Ph.D. in industrial engineering from the University of California, Berkeley.

■ Graduate Program in Acoustics

Anthony Atchley has been appointed head of the Graduate Program in Acoustics and professor of acoustics. Before coming to Penn State, Atchley served as a professor and chair of the Department of Physics at the Naval Postgraduate School.

Atchley's research interests include thermoacoustic heat transport, finite amplitude acoustics, sonoluminescence and physical acoustics. He received his B.A. in physics from the University of the South, his M.S. from the New Mexico Institute of Mining and Technology, and his Ph.D. from the University of Mississippi.



ANTHONY ATCHLEY

University Libraries appoints Web coordinator/writer-editor

Wilson Hutton has been named Web coordinator/writer-editor for the University Libraries' Office of Public Information and Relations. In this position, he will be responsible for design and oversight of the Libraries' Web and Intranet sites and will serve as liaison with other Libraries' department and groups dealing with Web issues. Additional responsibilities include design and writing for other Libraries' publications and coordination of special building-related projects in conjunction with the facilities office.

Before this position, Hutton served as documentation specialist for the Libraries' Information and Access Services Division. He has been with the Libraries since 1986, where he began as a member of the cataloging department. During the past four years, Hutton has been the arts and entertainment editor and film/drama critic for *Voices of Central Pennsylvania*. He also has served as a founding member and Web site designer for the community journal of news and opinion.

Before coming to Penn State, Hutton worked at R.R. Bowker Publishing in New York City and was cofounder of The Iron Clad Agreement, a theatre company in Pittsburgh. He attended Penn State from 1972 to 1974, and then studied acting at Carnegie Mellon University from 1974 to 1976. He later taught voice and speech at the university from 1980 to 1981.



WILSON HUTTON



RICHARD A. BEHR

ARTS & ENTERTAINMENT

AT PENN STATE



On stage

Douglas Cookey, a member of the University Resident Theatre Company, portrays the title role in *Macbeth*, which opens to the public Friday, Nov. 14. For tickets, call (814) 863-0255.

Photo: Greg Grieco

Macbeth

The University Resident Theatre Company will present the third production of its 1997-98 season: *Macbeth*. The play by William Shakespeare opens Friday, Nov. 14, and runs through Nov. 22 at the Playhouse Theatre on the University Park campus. Dan Carter, director of the School of Theatre Arts and artistic director of Pennsylvania Centre Stage, directs this classic.

Performances begin at 8 p.m., with a matinee performance at 2 p.m. Saturday, Nov. 15.

For ticket information call (814) 863-0255.

Cello recital

Stephen Feldman, instructor of music, will give a free cello recital on Saturday, Nov. 15, at 8 p.m. in the School of Music Recital Hall on the University Park campus.

Feldman will be accompanied by Timothy Deighton, assistant professor of music, on viola and Timothy Shafer, associate professor of music, on piano during selected works.

Shaver's Creek agenda

The following programs, which require preregistration by calling (814) 863-2000 or (814) 667-3424, are being offered in the coming weeks at Shaver's Creek Environmental Center:

■ Create Wildlife

Wildlife artist Denise Wagner will be at the center from noon to 3 p.m. Saturday, Nov. 15. Using Photoshop computer software, she will help participants take their wildlife and natural art concepts through to the printing stage. Wagner also will share some marketing secrets. The event is \$10 for members and \$15 for nonmembers.

■ Bird Feeder Watch Program

Shaver's Creek, in conjunction with the Cornell Lab of Ornithology, has a Feeder Watch Program that runs from 9 a.m. to noon every weekend from Nov. 16 through early April. Participation is free.

■ Make paper at Shaver's Creek

Learn how to turn junk mail and other paper waste into a useable paper product from 1 to 3 p.m. Nov. 16. The program is designed for people 10 and older to learn the quick and easy steps behind making paper. Participants may take the paper that they make home with them. The event is \$3 for members and \$4.50 for nonmembers.

■ Tour of Stars

A tour of the fall night sky is planned for 6 to 8 p.m. Friday, Nov. 21. Participants are urged to bring a blanket and binoculars. The event is \$3.50 for members and \$4.50 for nonmembers.

■ Candle making

The center is offering a class on candle making from 1 to 2:30 p.m. Sunday, Nov. 23, for those who are age 8 and older. Participants will be taught basic candle-making techniques. The event is \$3 for members and \$4.50 for nonmembers.

■ Wreath making

Wreath-maker Susan Wentzel will show participants how to use straw, evergreen boughs, pine cones, grapevine and other natural materials to create wreaths for the holidays in workshops from 9 a.m. to noon, and again from 1 to 4 p.m. on Dec. 6. Participants are encouraged to bring hand pruners and a glue gun. They will be given enough materials to make one to four wreaths per person (depending on the style of wreath selected). Cost is \$22.50 for members and \$25 for nonmembers. Payment is requested by Dec. 4.

Concert Choir

The Penn State Concert Choir will perform at 4 p.m. Sunday, Nov. 16, in the School of Music Recital Hall on the University Park campus.

The choir's music director, D. Douglas Miller, and the assistant conductor, Dennis Malfatti, will conduct the choir. The performance will include works by Johannes Brahms to commemorate the centennial of his death.

In addition to the 60-voice Concert Choir, the concert will feature works sung by the 16-voice Chamber Singers.

Tickets are \$4.50 for non-students and \$2.50 for students, and are available from 8 a.m. to 5 p.m. in Room 233 Music Building 1 or at the door before the concert.



BRYCE JORDAN CENTER

Kenny Rogers returns

Kenny Rogers will continue his tradition of celebrating the Christmas season at The Bryce Jordan Center, with special guest Sawyer Brown, at 8 p.m. Tuesday, Dec. 16. Tickets for "The Toy Shoppe," a Christmas Concert starring Kenny Rogers, are \$26.50 for reserved seating. The Christmas Carol Foundation, a non-profit agency that helps needy families over the holidays, will receive \$1 from each ticket sold.

Also appearing will be the country music group Sawyer Brown, performing songs from their new holiday album "Hallelujah He Is Born."

Coming up

■ Nov. 20: 311 with Sugar Ray and Incubus, 7:30 p.m. Tickets: \$22.50.

■ Nov. 22: "TailGreat," three hours before kickoff. Free.

■ Nov. 28: John Hancock Tour of Gymnastics Champions, 7:30 p.m. Tickets: \$33.50, \$26.50 and \$18.50.

■ Dec. 5: "Lord of the Dance," 8 p.m. Tickets: \$39.50, \$28.50.

■ Dec. 9: Phish, 7:30 p.m. Tickets: \$22.50.

■ Dec. 13: The Young Messiah Tour, 7:30 p.m. Tickets: \$23.50, \$17.50, \$13.50 (children 12 and under half price).

■ Dec. 21: Commencement, 1 p.m. (undergraduate and associate degrees).

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets, or by calling (814) 865-5555 locally, or toll-free at (800) 863-3336. For more information on Jordan Center events, visit the Web at <http://www.bjc.psu.edu>.

Odyssey Through Literature

"My mother was Napoleon," says Robert Viscusi on the next episode of Odyssey Through Literature. Viscusi, a professor of English at the City University of New York, reads from his novel *Astoria* and talks about his mother, Napoleon, and his Italian-American life.

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature. It airs Sundays at 6:30 p.m. on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania. The complete semester's schedule can be found on the Web at <http://mickey.la.psu.edu/complit/odyssey/odyssey.htm>

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, November 14

"Tommy Wareham," concert, noon, Kern Graduate Commons.
Macbeth, 2 and 8 p.m., The Playhouse, through Nov. 22. For tickets, call (814) 863-0255.

The Penn State Philharmonic Orchestra Concert, 8 p.m., Recital Hall.

Saturday, November 15

Sustainability Fair, 11 themes exploring and celebrating Central Pa., HUB.

■ Onkezo, Demon Drummers of Japan, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Stephen Feldman, cello, faculty recital, 8 p.m., Recital Hall.

Sunday, November 16

Women's Chorale Concert, 2 p.m., Recital Hall. For tickets, call (814) 863-0255.

Gregg Goldner, percussion, student recital, 2 p.m., 122 Music Building II.

Concert Choir, 4 p.m., Recital Hall. For tickets, call (814) 863-0255.

■ "Odyssey Through Literature," 6:30 p.m., WPSU and WPSB. Cameron Crotts, trumpet, graduate recital, 8 p.m., Recital Hall.

Tuesday, November 18

Centre Dimension Jazz Ensemble, 8 p.m., Recital Hall. For tickets, call (814) 863-0255.

■ "Korean Music: Tradition and Innovation," 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Wednesday, November 19

■ "Pierre Toussaint," play, 5 p.m., The Paul Robeson Auditorium.

The Jazz Messengers present "The Legend of Art Blakey," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Thursday, November 20

The Penn State Chamber Singers, Bach's Lunch, 12-10 p.m., Eisenhower Chapel.

Friday, November 21

■ Puerto Rican Awareness Week Food Festival, 11 a.m. to 2 p.m., Paul Robeson Cultural Center.

Bandomara '97, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Eileen Penn, organ, student recital, 8 p.m., Recital Hall.

Saturday, November 22

Seventh Annual Holiday Ornaments Exhibition, 10 a.m. to 4:30 p.m., Palmer Museum of Art.

Robin Seymour, gallery talk on "Marsden Hartley's Modernism," 11:30 a.m., Christoffers Lobby.

Lisa Plumley, voice, graduate recital, 8 p.m., Recital Hall.

Rolando Freitag, violin, graduate lecture/recital, 8 p.m., 122 Music Building II.

Sunday, November 23

Sue Kearney, saxocal, student recital, 2 p.m., Recital Hall.

University Choir Concert, 4 p.m., Recital Hall. For tickets, call (814) 863-0255.

Lawrence Moore, saxocal, graduate lecture/recital, 8 p.m., Recital Hall.

SEMINARS

Friday, November 14

■ Judith Lasker on "Following the AIDS Epidemic Around the World," 4 p.m., 206 Walker.

Irene Harvey on "Dilemma and the Issues of Exemplarity," 4 p.m., 124 Sparks.

■ Paolo Giordano on "Espatriates and/or Exiles: Italian Writing in America," 5:15 p.m., 123 Chambers.

Sunday, November 16

Bruce Robertson on "Marsden Hartley and His Art," 2 p.m., Palmer Lipson Auditorium.

Monday, November 17

Joel Lebowitz on "Microscopic Models of Macroscopic Behavior: Time's Arrow and Boltzmann's Entropy," 3:30 p.m., 339 Davey Laboratory.

Tuesday, November 18

Susan Brown on "Union Transitions Among Cohabitors: The Role of Relationship Quality," noon to 1 p.m., 406 Oswald Tower.

Djordje Minic on "Covariant Formulation of Matrix Theory," 3:30 p.m., 339 Davey Laboratory.



Classic performance

Elton John gave his only performance in Pennsylvania on his current tour Nov. 4 at The Bryce Jordan Center on the University Park campus. Other big shows scheduled for the center include Lord of the Dance on Dec. 5, Phish on Dec. 9 and Kenny Rogers on Dec. 16. For a complete schedule, check the Web at <http://www.bjc.psu.edu/>

Photo: John Nevil

Damhnall McHugh on "Molecular Phylogeny of Protosomes," 4 p.m., 8 Mueller Laboratory.

Richard Allison on "The Interface of Nutrition Science and Nutrition Policy," 4 p.m., 110 Wartik Laboratory.

Panelists Clay Calvert, Robert O'Connor and Kevin Nelson on "Talk Radio: Political Participation or Pointless Pontification?" 7:30 p.m., 112 Kern.

Panelists Matt Golden, Mike Johnson, Terrell Jones and Roger Schwenke on "Men and Feminism," 7:30 p.m., HUB Gallery Lounge.

Wednesday, November 19

Aminadav Dykman on "Ossip Mandelstam and Intertextuality," noon to 1 p.m., 316 Burrows.

Sandra Faulkner and Linda LaSalle on "Gender Communication," noon to 1 p.m., CWS Resource Room, 120 Boucke.

Financial planning seminar, 12:15 to 1:15 p.m., HUB. For reservations, call (814) 863-3980.

Yibing Zhou on "Kernel Growth and Development in Miniature Versus Wild-Type Maize," 12:20 to 1 p.m., 112 Buckhout Laboratory.

Mark S. Beasley on "Board Governance and Audit Firm Choice," 3:30 to 5 p.m., 333 Beam Business Administration.

Francesco Costanzo on "Cohesive Zone Models in Elastodynamic Crack Propagation," 3:35 p.m., 108 Sackett.

Martin Orell on "Life Events in Dementia," 4 to 5 p.m., 101 Health and Human Development East.

Thursday, November 20

Wolfgang Ketterle on "Bose-Einstein Condensation and the Atom Laser," 3:30 p.m., 101 Osmond Laboratory.

Eugene Eberbach on "The Calculus for Optimization and Modification of Dynamic Parallel, Distributed and Interactive AI Systems," 4 p.m., 302 Pond Laboratory.

■ Bruce Smith on "I, You, He, She and We: The Sexual Politics of Shakespeare's Sonnets," 5 p.m., Cultural Lounge, Warnock Commons.

Friday, November 21

J.P. Looney on "Single Cavity Mode Ringdown Spectroscopy," 2:30 p.m., SS Osmond Laboratory.

Johann Ralatski on "Quark-Gluon Plasma," 3:30 p.m., 339 Davey Laboratory.

Michael Helman on "Race, Waste and Class: Environmental Discrimination in Pennsylvania," 4 p.m., 206 Walker.

CONFERENCES

Sunday, November 16

"Antique Restoration and Preservation," The Penn Stater. Walter Keitz: Foundation Orientation, The Penn Stater, through Nov. 19.

Monday, November 17

ACED Traveling Workshop, The Penn Stater, through Nov. 18. "Successful Inkeeping," The Penn Stater, through Nov. 18.

EXHIBITS

HUB Art Alley Cases

HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Browning Gallery

Exhibit by Anna Vaserstein, through Dec. 13.

HUB Formel Gallery

Paintings by Marla Sanchez, through Dec. 13.

Kern Exhibition Area

■ Photographs by Javier Escudero, through Dec. 8.

Kern Flat Cases

Jewelry by Denise Arieu, through Dec. 10.

Kern Tall Cases

Works in wood by Steve Strouse, through Dec. 8.

Palmer Museum of Art

"Photographs by the Stieglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the 16th through Early 20th Centuries," Special Exhibition Gallery I, through Dec. 21.

Zeller Gallery

"New Faculty of the School of Visual Arts Exhibition," through Nov. 30.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Arts

Continued from page 8

Jazz ensemble

Centre Dimensions Jazz Ensemble will present a concert of big band jazz at 8 p.m., Tuesday, Nov. 18, in the School of Music Recital Hall on the University Park campus.

The concert will include the group's director, Dan Yoder, professor of music, as soloist on soprano saxophone.

Admission to the concert is \$3 at the door.

Behrend series continues

Music at Noon: The Logan Wintergarden Series will continue at Penn State Erie, Behrend College, with a performance by the Ameret String Quartet at noon Wednesday, Nov. 19, in the Reed Union Building Wintergarden. The presentation is free to the public.

The quartet, composed of young musicians from Japan, the United States, Korea and Mexico, is currently in residence at the University of Cincinnati College-Conservatory of Music. For more information, call (814) 898-6159.

Back's Lunch

The Penn State Chamber Singers, directed by D. Douglas Miller, professor of music, will perform for the Back's Lunch concert at 12:10 p.m. Thursday, Nov. 20, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Back's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

The group also will present a free end-of-semester performance for the public in the Rotunda of Old Main at noon on Thursday, Dec. 11.

Bandorama '97

Bandorama '97 will be held at 8 p.m. Friday, Nov. 21, in Eisenhower Auditorium on the University Park campus.

The Symphonic Band will open the program with Guy Woolfenden's "Illyrian Dances" and "Homage to Perotin" by Ron Nelson. Following this the Blue Band recreates its Beaver Stadium pre-game entrance using the aisles and stage of Eisenhower Auditorium. The marching band program includes Penn State school songs, music from the '97 halftime shows and stadium favorites.

Tickets are \$12 for adults, \$8 for students, and \$5 for children. Group rates are available. For reserved seat tickets, call the Eisenhower Auditorium Box Office at (814) 863-0255.



At Behrend

Jorge Arce and HUMANO will present a free, bilingual evening of music, poetry and voice interpretation at 7:30 p.m. Monday, Nov. 17, at Penn State Erie, Behrend College. For information, call (814) 898-6171.

Organ recital

Eileen Penn, a junior organ major in the music education program, will play an organ recital at 8 p.m. Friday, Nov. 21, in the School of Music Recital Hall on the University Park campus.

The recital is free to the public.

Ornaments exhibition

The Seventh Annual Holiday Ornaments Exhibition and Sale will be held 10 a.m. to 4:30 p.m. Saturday, Nov. 22, and noon to 4 p.m. Sunday, Nov. 23, at the Palmer Museum of Art on the University Park campus.

Distinctive ornaments, crafted by artists from around the country, will be on display and available for sale.

Sculptor and medalist Jeanne Stevens-Sollman and architect and woodworker Philip Sollman have collaborated to create the 1997 holiday ornament commemorating the 25th anniversary of the Palmer Museum of Art.

The exhibition is free to the public. All proceeds from the ornament sale are used by the Friends of the Palmer Museum to benefit the museum.

Mont Alto exhibit

Franklin County artists Theresa Ganley, Rebecca Harris and Marti Yeager will exhibit their figurative paintings through Dec. 5 on the second floor of the Penn State Mont Alto Library. The exhibit titled "Go Figure" is figurative in style. Harris focuses on shapes, lines and colors and attempts to show the mood of the figure; Ganley specializes in creating emotionally charged images by dramatizing the body language of the figure, the lighting and the color; and Yeager bases her painting on drawings from live models and tries to portray the mystery and wonder of the human life and body.

For information on this event, call the library at (717) 749-6040.

Ornament making

The HUB Arts & Crafts Center on the University Park campus will hold its ceramic ornament making workshop on two consecutive Saturdays, Dec. 6 and 13, from 1-3 p.m. Price is \$15 per person and includes all supplies. Space is limited so sign up early at 312 HUB. For more information, call (814) 863-0611.

Painting exhibition

Anna Vaserstein, a Russian-born artist, will exhibit her paintings in the HUB Browsing Gallery on the University Park campus through Dec. 13.

Vaserstein uses vibrant and shocking color to render her surreal human figures and scenery. She was born in Moscow in 1971 and moved with her family to State College in 1980. She graduated from State College High School in 1989 and received her bachelor of arts degree from St. John's College in Annapolis, Md., in 1993. She is currently in her second year in Vermont Law School.

Bill Cosby at Williamsport

Comedian Bill Cosby will return for two performances on Saturday, April 25, 1998, at the Community Arts Center of Penn College, in Williamsport.

Cosby will perform two completely different shows, at 6:30 and 9 p.m. Tickets go on sale Saturday, Nov. 15 and are priced at \$40 and \$22.50. Additional performances

■ **Red Star/Red Army Chorus and Dance Ensemble**, featuring pyrotechnics galore, dancers who leap like kangaroos and stunning costumes of many colors on March 2, 1998. Tickets: \$20 (adult), \$10 (student).

■ **"Damn Yankees,"** a 1955 musical where baseball meets satan on March 5, 1998. Tickets: \$33, \$25.50, \$20.50.

■ **Paul Anka**, performs such hits as "Put Your Head on My Shoulder,"

"My Way" and dozens more on March 26, 1998. Tickets: \$32.50, \$22.50.

■ **The Flying Karamazov Brothers**, bring comedy, vaudeville and all types of juggling to stage on April 1, 1998. Tickets: \$20, \$18, \$16.

■ **The Williamsport Symphony Orchestra**, will perform selections by Beethoven at 8 p.m. on April 4, 1998. Tickets: \$37, \$32, \$26, \$21, \$18, \$12.

■ **Sesame Street LIVE!** "Let's Play School," 7 p.m., April 17, 1998; 10:30 a.m., 2 p.m. and 5:30 p.m., April 18, 1998. Tickets: \$7.75 to \$12.75

■ **"How to Succeed in Business Without Really Trying,"** features a fun look at climbing the corporate ladder through song and dance on April 21, 1998. Tickets: \$33, \$25.50, \$20.50

■ **The Williamsport Symphony Orchestra**, will perform selections by Dukas, Khachaturian and Dvorak featuring "Flash Cadillac" on May 12, 1998. Tickets: \$37, \$32, \$26, \$21, \$18, \$12.

Unless otherwise noted, all performances will be at 7:30 p.m. For tickets or more information, call (717) 326-2424 or (800) 432-9382.

Multicultural music

The Multicultural Council at Penn State Erie, Behrend College, will present singer, composer and percussionist Jorge Arce and his ensemble, HUMANO, at 7:30 p.m. Monday, Nov. 17, in the Reed Union Building Lecture Hall. The performance, which promises a bilingual combination of music, poetry and voice interpretation, is free to the public.

Arce founded the ensemble HUMANO in 1987. HUMANO combines traditional acoustic and brass instruments with modern sounds. The band's variety of instruments and the multicultural musical influences combine for a unique musical experience. For more information, call (814) 898-6171.

German films

The departments of classics and ancient Mediterranean studies and German, in collaboration with Goethe House in New York City, will present a tribute to actor and director Reinhold Schünzel with a series of films.

The first film, "Amphitryon," a 1935 musical comedy, will be shown at 8:15 p.m. Thursday, Nov. 13. "Viktor und Viktoria" (1933) will be shown at 8:30 p.m. Thursday, Dec. 4, and "Beim nächsten Kuss knall ich ihm nieder" ("One more kiss and he's dead"), a 1996 biography of Schünzel, who, despite his Jewish heritage remained active in the German film industry until 1937 when he emigrated to Hollywood. The film is directed by Hans-Christoff Blumenberg and will play at 7 p.m. Thursday, Dec. 11. All films will be shown in 113 Carnegie Building on the University Park campus.

LECTURES

Ryan White Foundation founder to speak at Abington

The founder and president of the Ryan White Foundation will speak at noon Wednesday, Nov. 19, at Penn State Abington. Jeanne White-Ginder will talk about AIDS awareness and the legacy of Ryan White in 122 Woodland Building. The program is free to the public.

When she learned in 1984 that her son, a hemophiliac, had contracted AIDS from a tainted blood product, Jeanne White found herself a key player in a frightening new health crisis that vaulted her from anonymity to a media regular.

After Ryan died in 1990, she realized that she needed to continue his legacy of understanding, compassion and acceptance. Today she is president of the Ryan White Foundation, a non-profit organization that seeks to educate teens and adolescents on the personal, family and community issues related to HIV/AIDS.

Photographer to discuss Cuba visit Nov. 19

Andrea Hurley, a former Penn State Hazleton student, will return to campus as a guest lecturer on Wednesday, Nov. 19, to present "Images of the Other," an illustrated discussion of the people of modern Cuba. The free event is scheduled for 8 p.m. in room 115 of the Graham Academic Building.

Hurley graduated from Penn State in 1995 with a bachelor of arts degree in journalism and a minor in Spanish. She is currently employed as a reporter and photographer for the *Henry News Leader* in Henry County, Ga., and is pursuing a master's degree in media studies from Penn State.

The basis of Hurley's lecture is her master's thesis, "Photojournalism as Propaganda: Images of the Other," and her recent research visit to Cuba.

Learn about intelligent transportation

The Penn State Downtown Center will host a noon presentation on Nov. 19 focusing on "Intelligent Transportation Systems."

Kostas Goulas, associate professor of civil engineering and program manager of the transportation operations program in the Pennsylvania Transportation Institute at the University Park campus, will provide an update on the systems.

Intelligent Transportation Systems are a group of related technologies that apply advanced information, electronic communications and other technologies to surface transportation issues. Goulas' presentation will focus on how ITS can improve safety, reduce congestion, enhance mobility, minimize environmental impact, save energy and promote economic productivity in the transportation system.

Examine Shakespeare's sonnets Nov. 20

Bruce Smith will present a lecture, "I, You, He, She and We: The Sexual Politics of Shakespeare's Sonnets," at 5 p.m. Thursday, Nov. 20, in the Cultural Lounge of Warnock Commons, North Halls, on the University Park campus. The talk is the third in this year's Lecture Series on Lesbian, Gay and Bisexual Lives.

While homoerotic interpretations of Shakespeare's plays have become commonplace both on stage and in the classroom, there has been resistance to similar interpretations of Shakespeare's sonnets. Smith attacks this resistance, especially the heterosexualizing of the pronoun, "we."

Smith, professor of English at Georgetown University, is the author of *Homosexual Desire in Shakespeare's England* (University of Chicago Press, 1991) and is past president of the International Shakespeare Society.

The Lecture Series on Lesbian, Gay and Bisexual Lives is sponsored by the Commission for Lesbian, Gay and Bisexual Equity and is supported as a Continuing Distance Education Program through a grant from the Equal Opportunity Planning Committee.

Sierra Club chief addresses "Spirit of Volunteerism"

The youngest president in the history of the Sierra Club, 24-year old Adam Werbach, is known for reaching out with new and emerging technology to spread the club's conservation message. Werbach continues his outreach effort at Penn State Erie, Behrend College, at 7:30 p.m. Thursday, Nov. 20, when he speaks to the community on "The Spirit of Volunteerism." His presentation is free to the public.

Werbach finds it natural for young people to take an active part in the Sierra Club's conservation efforts, because the primary purpose of the group is to be concerned about the future. He works to get young people involved in meaningful ways.

Before his lecture, Werbach will be a special guest at Penn State-Behrend's "Thanksgiving Dinner for Six Strangers," which brings students, faculty and staff together to celebrate the Thanksgiving season. A book signing will follow the lecture.

Werbach's presentation continues the 1997-98 Penn State-Behrend Speaker Series and will be broadcast live by the college's radio station, AM 1450/WPSE. For more information, call (814) 898-6171.



Positive ID

Graduate student Andrea Nord shows students in Larry McCormick's Forestry 203 class what to look for when identifying trees and wood properties. The class won't have much longer to do this exercise. With autumn marching steadily toward winter, trees are quickly losing all of their leaves.

Photo: Greg Grieco

Alumni Fellow to visit University Park Nov. 20

As reported in the Sept. 18 issue of *Intercom*, one of Pittsburgh's pioneer suburban office park developers and the owner of Kossman Development Co. will visit the University Park campus as the College of Arts and Architecture's 1997 Alumni Fellow.

Paul Kossman, who graduated from Penn State in 1949 with a degree in architectural engineering, will be on campus on Thursday, Nov. 20, to receive his award. He will lecture to architecture students the following morning.

Kossman's most notable developments include the Kossman Building in downtown Pittsburgh; the Marquis Office Plaza near the Pittsburgh airport; and

the Parkway Center Mall. His latest venture is Schenley Center, a mixed use project which includes a 176-suit Marriott Residence Inn hotel, 156-room assisted living and Alzheimer's facility and a 273-car parking garage. Kossman has sponsored an Architectural Design Award at Penn State and in 1989 established the Penn State Fund for Excellence in Design.

The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Parting

Student affairs coordinator retires

Carol A. Gible, coordinator of student affairs and health services at Penn State Lehigh Valley, recently retired after 25 years of service.

Gible began as the campus nurse for the Penn State Allentown campus in 1972. She continued her career by absorbing the job duties of the student affairs coordinator, which include advising student government, coordinating student activities and campus cultural events, coordinating services for special-needs students and

assisting with student orientation.

Before coming to Penn State, Gible spent five years as head psychiatric nurse in Veterans Hospital in New York City and received her RN diploma from St. Joseph's Hospital School of Nursing in Lancaster, Pa.

Gible plans to spend some time traveling during her retirement. She also intends to continue volunteering, singing with a women's barbershop quartet called the Allentones and enjoying the arts.

Faculty/Staff Alerts

Intercom schedule

Due to the Thanksgiving holiday, there will be no *Intercom* published on Thursday, Nov. 27. Also because of the holiday, all copy for the Dec. 4 *Intercom* should be submitted by Tuesday, Nov. 25, instead of Wednesday. Copy to be included in *Intercom* should be e-mailed to lmr8@psu.edu or axm219@psu.edu.

The *Intercom* schedule for the remainder of the academic year follows:

Publication date	Copy deadline*
Nov. 20	Nov. 12
Dec. 4	Nov. 25**
Holiday Break	
Jan. 15	Jan. 7
Jan. 22	Jan. 14
Jan. 29	Jan. 21
Feb. 5	Jan. 28
Feb. 12	Feb. 4
Feb. 19	Feb. 11
Feb. 26	Feb. 18
March 5	Feb. 25
Spring Break	
March 19	March 11
March 26	March 18
April 2	March 25
April 9	April 1
April 16	April 8
April 23	April 15
May 7	April 29
May 21	May 13
June 4	May 27
June 18	June 10
July 2	June 24
July 16	July 8
July 30	July 22
Aug. 13	Aug. 5

* All copy is due by noon on deadline day.

** Early deadline due to holiday.

Foot screening

The Milton S. Hershey Medical Center will host free foot screenings for people with diabetes on Tuesday, Nov. 18, from 4 to 7 p.m., in the Diabetes Foot Clinic, Room H112, on the first floor of the main building. Nerve damage, or neuropathy, is the main cause of foot problems in people with diabetes. Fifty percent of people with diabetes develop nerve damage after approximately 20 years. Burning, pain, decreased sensation or numbness in the legs and feet may all be symptoms of neuropathy. Detecting neuropathy is important because these changes increase the risk of developing foot ulcers (open areas).

A visual exam, sensation testing and foot education will be offered by the foot clinic staff, which includes physical therapists and a certified diabetes educator. Pre-registration is requested by Nov. 14. Register by calling (717) 531-7112 between 9 a.m. and 3 p.m.

Free financial planning

Penn State Federal Credit Union and American Express Financial Advisors Inc. are teaming up to offer free financial planning seminars for Penn State faculty, staff, retirees and students, from 12:15 to 1:15 p.m. Wednesday, Nov. 19, and from 7 to 8 p.m. Thursday, Dec. 4, at the HUB on the University Park campus. Call (814) 865-3980 to register.

Holiday sale

The HUB Arts & Craft Center on the University Park campus will hold its annual holiday sale in the HUB Fishbowl from 9 a.m.-8 p.m. Dec. 10-12, and from 9 a.m.-5 p.m. Dec. 13. It will include lots of pottery, hand made books, jewelry, ornaments and more.



Maintenance needed

Office of Physical Plant tree surgeon Mark Trautman works on an elm tree in front of Sackett Building on the University Park campus. The tree needed to be removed because its branches had become weak from age and disease. According to OPP employees, the University has nine-year-old elms that have been raised to replace this and other elms on the Allen Street Mall.

Photo: Greg Grieco

Volunteers with diabetes needed

The Center for Locomotion Studies on the University Park campus, under the direction of Peter R. Cavanagh, conducts research with people with diabetes in all stages of the disease. This research includes studies of walking, balance and foot problems. The center is currently developing a list of volunteers who might be interested in participating in this type of research. Researchers are especially interested in people who have diabetes and who have neuropathy or who have noticed changes in the sensation of their feet. Volunteers between the ages of 35 to 79 are sought. If you are interested in participating in diabetes research or in learning more about it, please contact Mary Becker at (814) 863-8555 or at (800) 515-5355.

Stressed and anxious?

Most people worry, but for some, worrying is excessive, uncontrollable or overwhelming. The Stress and Anxiety Disorders Institute at Penn State is conducting an ongoing research study which offers free therapy if:

- 1) You have experienced excessive and uncontrollable worry or anxiety for at least six months;
- 2) When worried or overly anxious you also experience: feeling keyed up or on edge, muscular tension, restlessness, difficulty concentrating, fatigue, sleep disturbance or irritability.

People (ages 18-65) included in the study will receive free psychotherapy as well as assessments before and after treatment. A brief telephone interview will help researchers make a preliminary determination of the suitability of this program. Strictest confidentiality is maintained. If interested, please call (814) 863-0115 and leave a message. Michelle Newman, assistant professor of psychology, is the principal investigator.

Experiencing panic attacks?

Are you bothered by panic attacks? The Stress and Anxiety Disorders Institute at Penn State is conducting an ongoing research study which offers free therapy if:

- 1) You have experienced at least four panic attacks in the past month, which include — but are not limited to — symptoms of shortness of breath, rapid heartbeat, trembling and sweating;
- 2) These symptoms reach a peak in less than 10 minutes;
- 3) At least one attack is unexpected. At least one attack is followed by one month or more of worry about having another attack; you experience worry about the implications of the attacks; or you experience behavior change as a result of the attacks.

People (ages 18-65) included in the study will receive free psychotherapy as well as assessments before and after treatment. A brief telephone interview will help researchers make a preliminary determination of the suitability of this program for you. Strictest confidentiality is maintained. If interested, please call (814) 863-0115 and leave a message. The principal investigator on this study is Michelle Newman, assistant professor of psychology.

Escort service available

Working late? The Escort Service is free and available to Penn State faculty and staff on the University Park campus, as well as to students. Here's how it works: a walking escort will be provided within 15 minutes of a call to 865-WALK. The range extends well beyond campus — as far south as Parkway Plaza; north to Cherry Lane; west to Buckhout Street; and east to University Drive and the commuter lots.

Escorts are paid, screened employees of the University Department of Safety and the service is available 365 days a year, from 6 p.m. to 7 a.m.

Faculty Staff Club dinner

The Faculty Staff Club will hold an Italian Fiesta theme dinner from 5:30 to 7 p.m. Thursday, Nov. 20, in the Alumni Fireside Lounge and Lobby at The Nittany Lion Inn on the University Park campus.

The club also has scheduled its second Penn State Forum from 11:30 a.m. to 1 p.m. Tuesday, Nov. 25, in the Nittany Lion Inn Ballroom. The speaker will be C. Kristina Gonsalus, vice provost at the University of Illinois, speaking on "Professional Ethics and Research Integrity: National Issues, Local Challenges."

All University faculty, staff and retirees are eligible for membership in the Faculty Staff Club. Cost is \$25 per year and entitles members to a 10 percent discount at the HUB Eateries, Coaly's Cafe, Otto's and the University's dining commons, in addition to discounted prices for Third Thursday theme dinners and daily lunches in the Penn State Room at The Nittany Lion Inn. Members also may take advantage of reciprocal privileges at hundreds of other faculty clubs throughout the world.

For more information, stop by the Faculty Staff Club office in 110 HUB, or call (814) 865-7590.

Awards

ARL earns Challenge Projects award

The Applied Research Laboratory has received an award as part of the Challenge Projects Program, initiated by the Department of Defense to give research and development organizations access to its high-performance computing facilities.

ARL shares this one-year award with its research partners, Mississippi State University and the Naval Surface Warfare Center in Carderock, Md. Together, these partners will study the unsteady hydrodynamics of a maneuvering submarine on two DoD supercomputers: 170,000 hours on a Cray T3E, a paral-

lel processing supercomputer at the Arctic Region Supercomputer Center and 60,000 hours on an SGI Origin 2000, a parallel processing machine at the Army Research Laboratory.

Fierce competition surrounds the access to these supercomputers. The DoD is investing its resources in high-performance computing and the Challenge Projects Program, now in its second year, is a means to share these computing resources with defense-critical projects. The resources awarded this year include major allocations of time on 17 computer systems at nine sites. This

year's 22 winners come from defense technology and developmental test organizations, universities and industry.

Limitations in available computer resources hinder further advances in computing the complete flow physics and motion of a maneuvering submarine. Present methods require many expensive tests and limit ARL and its partners to analyzing subsystems. Increasing the time spent at the DoD supercomputing facilities will enable the researchers to examine the whole system more routinely.

Statistics professor named AAAS Fellow

Gutti J. Babu, professor of statistics, has been honored with the rank of Fellow in the American Association for the Advancement of Science (AAAS). The association selects as Fellows members whose "efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished." Founded in 1848, the AAAS is the world's largest federation of scientists and has more than 144,000 members. The association publishes the journal *Science*.

Babu's broad research interests include applications of statistics and probability to problems in biomedical research, astronomy and astrophysics. According to the AAAS, he was elected as a Fellow in recognition of his research accomplishments in asymptotic theory, resampling methods, probabilistic number theory, statistical methods for astronomy and the promotion of interdisciplinary activities.

His work during the early 1980s resulted in establishing the superiority of the bootstrap approximation for a wide class of statistical tests and laid the foundation for subsequent work on second-order approximations of this method. Since the late 1980s, he has led efforts to bring

advanced statistical methods to serve the research needs of observational astronomers. He and Eric D. Fegelson, professor of astronomy and astrophysics, recently coauthored an interdisciplinary book titled *Astrostatistics* and coedited the proceedings of the conference titled "Statistical Challenges in Modern Astronomy II."

Before coming to Penn State, Babu was a professor in the Theoretical Statistics and Mathematics Division at the Indian Statistical Institute in Calcutta from 1982 through 1985. He served as associate professor in that division from 1976 to 1981. Babu is the author or coauthor of four books and more than 85 research publications. Among his many accomplishments, Babu is an elected Fellow of the Institute of Mathematical Statistics and the American Statistical Association and he is also an elected member of the International Statistical Institute.

Babu earned his master's degree in statistics in 1970 and his doctoral degree in 1974, both at the Indian Statistical Institute. He joined Penn State's statistics department in 1985 as a visiting professor and accepted a permanent position as a professor of statistics in 1987.

Professor cited for contributions to his field

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Intercollegiate Materials Research Laboratory, has received the Marion L. and Chrystie M. Jackson Soil Science Award from the Soil Science Society of America. This award recognizes mid-career soil scientists who have made outstanding contributions in soil chemistry and mineralogy. The principal criteria for the award are significance and originality of research, excellence in creative rea-

soning, quality of teaching, and total impact of contributions on soil science and other fields.

Komarneni earned his degrees from the University of Wisconsin; Indian Agricultural Research Institute, New Delhi; and A.P. Agricultural University, India. His research focuses on basic and applied clay mineralogy and novel materials synthesis. Komarneni is the recipient of the Best Paper Award from the Nuclear Division of the American Ceramic Society. He

received an award for one of the most significant advances in materials research from the National Association for Science, Technology and Society, and is the founding editor-in-chief of the *Journal of Porous Materials*. His research resulted in 285 refereed publications in journals, including several in *Nature* and *Science*; and he also has eight U.S. patents. He is a Fellow of the American Society of Agronomy, SSSA, AAAS and the American Chemical Society.

Nursing instructor honored for excellence

Rebecca Beatty, instructor of nursing and coordinator of continuing and distance education in the School of Nursing, was honored with an "Excellence in Nursing Education" award from the Nightingale Foundation of Pennsylvania, a non-profit organization. Beatty has been a nurse educator since 1978, providing instruction in fundamentals of nursing, pathophysiology, pharmacology, medical-surgical nursing and transition courses for RN/B.S. students at University Park. She is currently responsible for all credit

and non-credit outreach activities in the Penn State nursing system, which includes nine campuses and assists with programming for other health professionals.

The Nightingale Awards were established in 1989 to honor nurses in Pennsylvania. The foundation's purpose is to "recognize the exceptional nurses of today and to recruit the nurses of tomorrow." In addition, the Nightingale Foundation provides scholarships for nursing students in Pennsylvania and serves as a voice for the profession.



New book examines corporate creativity

Professors Sam Stern of Oregon State University and Alan G. Robinson of the University of Massachusetts say in their new book, *Corporate Creativity*, that managers cannot predict who, where, when or how creative ideas will happen.

Stern and Robinson have not only collected anecdotes about corporate creativity, they have identified six essential elements at companies that allow them to foster an environment that encourages creativity from all employees. These elements are:

- 1) **Alignment:** Ensuring that the interests and actions of all employees are directed toward a company's key goals so that any employee will recognize and respond to a useful idea;
- 2) **Self-Initiated Activity:** Encouraging employees to identify a problem that they are interested in and feel able to solve, for whatever reason motivates them;
- 3) **Unofficial Activity:** This occurs in the absence of direct, official support and with the intent of doing something new and useful.
- 4) **Serendipity:** Having the keen insight to recognize the implications of a "fortunate accident;"
- 5) **Diverse Stimuli:** Providing opportunities for employees to encounter different ideas and stimuli and, more importantly, providing a forum through which they can share their discoveries; and
- 6) **Within-Company Communication:** Ensuring that people from different divisions and units communicate so that creativity isn't stymied by bureaucratic barriers.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LES1@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.

EMPLOYEE BENEFITS

A regular column provided by
the Office of Human Resources

Thinking about an HMO?

If you are considering changing your health plan to an HMO or changing from one HMO to another during the current open enrollment period, it is important to evaluate what the change could mean to you and your family.

How do I choose a health care provider?

Each HMO provides a list of primary care physicians (PCP) who participate in the plan. You and your family members may each choose a different PCP and your current family physician may be a participating provider. If not, you may wish to contact the provider's office to learn more about the doctor's background, schooling and specialties.

When do I need authorization for a visit?

Visits to your primary care physician do not require an authorization. Your PCP may, in some instances, refer you to a specialist within the HMO network and will provide the initial authorization. Remember that each visit to a specialist requires an authorization from your primary care physician.

Do patients who disagree with their PCP have any recourse?

All HMOs have a utilization management process in place that ensures a review of cases by a team of physicians. Also, all HMOs have a formal appeal/grievance process.

May I change primary care physicians?

Yes, you may select a new primary care physician at any time by calling the member services office of your HMO.

When would the change of primary care physician be effective?

While you should always verify the date of the change when talking to member services, the effective date will generally be determined by the date of the request.

As an example, you request a change of PCP before Nov. 15; the change would be effective on Dec. 1. If you request a change of PCP after Nov. 15, the effective date of the change would be Jan. 1.

If I decide that an HMO is not best for me or my family, may I return to one of the other University sponsored plans?

Yes. Each year, in November, you are given the opportunity to change your health plan, effective Jan. 1 of the following year.

Other questions you may wish to consider:

■ What medical services are not covered by this HMO?

■ Does the plan offer a full range of specialty and primary care services?

■ Is emergency care provided worldwide?

■ What is considered an emergency?

■ What services can I use without a referral?

You are strongly encouraged to examine carefully the details of the HMO plan and to direct questions such as these to the HMO's members services office.



Work progressing

A concrete pump does some work on the foundation of the Paterno Library addition to Pattee Library on the University Park campus. The 100,000-square-foot, multistory addition to Pattee Library and major renovations to the existing library are about 15 percent complete. The project is expected to be done in October 1999.

Photo: Greg Grieco

Courses

Health Matters Programs

■ Enlightening Lunch — When Someone is Disabled

This session will focus on how Penn State faculty and staff can best assist disabled associates in their studies and work without threatening their autonomy and independence. The presentation will explore a variety of campus resources and processes for implementing classroom and workplace accommodations for disabled individuals. Meets Friday, Nov. 21, from noon to 1 p.m. in 110 Henderson Building (The Living Center), on the University Park campus.

Cost: None. To register, contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ The Great American Smokeout

In recognition of the American Cancer Society's annual Great American Smokeout, Health Matters will provide smoking cessation information and materials to interested faculty and staff. Look for Great American Smokeout posters and table tents, or pick up quit kits and smoking cessation literature at various University Park locations on Nov. 20. For more information, contact Amanda Cole at (814) 865-3085.

Book Shelf

Mary Gergen, associate professor of psychology at Penn State Delaware County, is the author and editor of two new books. *Toward a New Psychology of Gender* (Routledge), which Gergen co-edited with Sara N. Davis of Rosemont College, brings together writings from psychology, philosophy, psychoanalysis, history, women's studies, education and sociology in essays that investigate the social construction of gender. Individual chapters address diverse topics such as anorexia, AIDS and condom use, masculinity, gender differences in schools, black feminist thought and mother/daughter relationships.

The second book is *Statistics: The Conceptual Approach* (Springer-Verlag), a textbook co-authored with Gudmund R. Iversen at Swarthmore College. The book is unique in its design and execution, filling a previously unmet need for a more language-based approach to teaching statistics. It includes a large number of exercises — most of which are real examples selected from books, journals and newspapers — allowing students to move beyond statistical formulas and develop a deep understanding of statistical ideas and how they relate to the everyday world.

Richard Kopley, associate professor of English, is the editor of *Prospects for the Study of American Literature: A Guide for Scholars and Students*, New York University Press, 1997. The book is a collection of 16 essays by a variety of scholars in the American literary field who concentrate their research on the lives and works of specific authors, such as Henry David Thoreau, Walt Whitman and Mark Twain.

The book was published to offer guidance to up-and-coming literary scholars; provide prior interpretations and approaches to the works of these 16 American authors; explain new interpretations of their works; uncover vital research and new sources of information about the authors; and to discover other influences to their works and expose the neglected areas in the author's life.

Wilson J. Moses, professor of history, contributed an essay on Frederick Douglass and Sanford Schwartz, associate professor of English, contributed an essay on T.S. Eliot. Kopley is also the author of Poe's "Pym." *Critical Explorations* (1992).

Research

Looking at different ways to diagnose drought

By A'NDREA ELYSE MESSER
Public Information

Just as you can't judge a book by its cover, you probably can't judge a tree's drought tolerance by its leaf response.

"It appears that leaf physiology is not the only way to look at the drought tolerance of trees," said Marc Abrams, professor of forest ecology in the College of Agricultural Sciences.

Conventional measures of drought tolerance in trees include adaptations deemed necessary to conserve or withstand an absence of water, including deep roots and thick leaves that can continue to photosynthesize — convert sunlight into usable energy. Drought-intolerant species tend to have shallow roots and shut down during drought. It is not unusual for drought-intolerant species to drop their leaves in time of drought and stop photosynthesizing.

The researchers decided to look at another measure of a tree's drought response: the amount of energy put into trunk growth.

"It appears that the drought tolerance ranking of trees in Central Pennsylvania based on ecological distribution or leaf physiology during drought is not an indication of a tree's growth response during drought," the researchers said. "When we looked at the tree rings for drought years, some trees that are considered intolerant to drought had average or above-average growth."



Charles M. Ruffner, a graduate student in forest resources, left, and Marc Abrams, professor of forest ecology, look at "wooden cookies," cross-sections of trees, to compare the growth rings with known dated drought conditions.

Photo: Greg Grieco

The researchers, who include Abrams; Charles M. Ruffner, graduate student in forest resources; and T.A. Morgan, undergraduate in forestry resources, looked at trees growing in four different areas in the ridge and valley provinces of Pennsylvania.

The ridge tops were the driest areas and the riparian areas — land near rivers and streams — were the wettest.

The valley makes up the moist intermediate soil climate and the barrens are moist to dry.

Five or six species of tree were investigated in each area with each species appearing in at least two of the zones.

Because trees grow individual rings each year, tree ring dating is often used to determine the age of trees by looking at the growth pattern

and matching all trees on a site using key signature rings, such as the small rings representative of a drought. In this way, the rings corresponding to the drought years of 1985, 1988, 1991 and 1995 were identified.

These rings were then compared to the average of their species growth during non-drought years in the area where they grew. The

drought year tree rings also were compared to rings immediately before and after the drought.

Among the four sites studied, the dry ridge sites were most impacted by droughts and had the largest decreases in radial growth. Black cherry, which appeared in all four locations, had below-average growth on the ridge and in the barrens, but not in the valley or in the wettest riparian area.

"Species in the valley and the barrens exhibited relatively few significant growth reductions in drought years compared to the ridge site," Abrams said. "Overall, there was not always a clear relationship between species' moisture preference and their tree-ring growth during drought."

According to leaf response, pignut hickory and red oak are considered drought-tolerant species in riparian sites, but they had a disproportionate number of drought growth reductions in that area. In the valley, black oak and red maple both suffered large and frequent growth declines during drought, but are considered moderately to highly drought tolerant.

"It appears that there is an inconsistent pattern between leaf-level physiology and radial growth," said Abrams. "More study is needed to see if and how drought-tolerant trees actually store energy in deep roots and why some trees are putting energy into trunk growth during droughts."

Consumers' thoughts tend to thwart salespeople's best efforts

The average consumer's habit of thinking too much about the product during a sales pitch results in lost sales for salespeople, suggest studies by marketing researchers from Penn State and the University of Arkansas.

"Many consumers, while interacting with salespeople, are like actors who become too focused on their own lines in a play," said Subramanian Sivaramakrishnan, who earned his Ph.D. from The Smeal College of Business Administration and now

teaches at the University of Arkansas at Pine Bluff.

"Consumers often hold negative stereotypes of salespeople, and therefore expect them to be pushy and dishonest. Thus, when targeted by a sales pitch, they aren't listening to the other actor — the salesperson — they're thinking of diagnostic questions to ask, or something intelligent to say."

This lack of attention to the salesperson's behavior commonly results in the consumer transferring even a

minor dislike of him or her to an otherwise fine product.

Sivaramakrishnan simulated consumer/salesperson interactions for several studies as a graduate student in marketing with Harish Sujana, associate professor of marketing. Poor consumer decisions and unnecessary search time resulting from bad first impressions of salespeople are more important than might be immediately obvious, the researchers said. The potential magnitude of the problem is clearer in

light of the fact that in the U.S., more money is spent on personal selling than on either advertising or sales promotions.

Consumers' errors of judgment about salespeople, and the products they tout, can be avoided by understanding one element of the task at a time, Sivaramakrishnan said.

"Consumers should give themselves ample time to form impressions and then, if they feel the need to, focus on the task of validating these impressions," he said.

Promotions

STAFF

Jean E. Harris, office manager, University parking office in Business Services.

Amy Hensal, external relations assistant in College of Communications.

Gloria J. Henry, staff assistant VI in College of Earth and Mineral Sciences.

Patrick J. Hillard, incinerator coordinator in College of Agricultural Sciences.

Cathy L. Hipple, staff assistant V in College of Education.

Brenda R. Hockenberry, graduate enrollment assistant in Intercollege Research Programs.

Gary W. Holler, program planner in The Smeal College of Business Administration.

Susan L. Houck, staff assistant VI in Business Services.

Wei Huang, senior research technologist in Eberly College of Science.

Tinamarie H. Illar, publications manager in Housing and Food Services.

Stephanie L. Ironside, staff assistant V in Student Affairs.

Joyce E. Ivicic, external relations assistant in College of Earth and Mineral Sciences.

Lori M. Jodon, staff assistant V in Eberly College of Science.

Betty L. Johns, staff assistant V in Business Services.

Kimberly K. Johnson, staff assistant VI in College of the Liberal Arts.

Peter A. Kauffman, art editor in College of Agricultural Sciences.

Mary Kelly, contracts and proposal specialist in Applied Research Laboratory.

Sean P. Kelly, program assistant II at Penn State Lehigh Valley.

Mary C. Kennedy, staff assistant VI in College of Communications.

Jenny E. King, administrative assistant in College of Arts and Architecture.

Sandra L. Koelle, senior promotions associate in Continuing and Distance Education.

Ronald F. Kreidler, manager, research programmer in Computer and Information Systems-Administrative Systems.

Shawn M. Kuhlman, staff assistant VI in Intercollege Research Programs.

Linda J. Kunes, staff assistant VI in Eberly College of Science.



Art study

Michael Koch sits in the Palmer Museum on the University Park campus contemplating a painting for an English paper on arts evaluation. The Palmer Museum is open to the public Tuesday through Saturday, 10 a.m. to 4:30 p.m., and Sunday from noon to 4 p.m.

Photo: Greg Grieco

Grant to help protect state's waterways

A grant that will ultimately help reduce pollution across Pennsylvania has been granted by the College of Communications to one of its faculty members.

Ann Marie Major, assistant professor of communications, is the recipient of the 1997 College of Communications Tenure-Track Faculty Research Grant. In an innovative collaboration, Major and her COMM 471 "Public Relations Methods" class are working with the Pennsylvania Department of Environmental Protection to publicize a statewide initiative to reduce pollution.

Launched by Gov. Tom Ridge last May, the Forest Buffers Project was established to encourage the planting of trees along waterways in the mid-Atlantic states, to buffer them from pollution. The goal is to plant 2,010 miles of forest buffers by the year 2010. Major is a member of the public relations committee for the project.

Students in Major's class are developing public relations materials for the project, including news releases, opinion pieces, fact sheets and brochures. In addition, they will be responsible for organizing a kick-off event in Harrisburg this spring. The students' goal is to expand the efforts of community organizations to educate Pennsylvanians about the project and the sensitive link between humans, water and land.

The Tenure-Track Faculty Research Grant recognizes outstanding faculty and provides them with sufficient time to develop research that has exceptional promise. Major proposed this project for the grant because of Penn State's status as a land-grant institution, noting that it was an ideal opportunity for the University to give back to the community.

Obituaries

Margaret V. Heeman, residence hall worker, Housing and Food Services, from Sept. 6, 1966, until her retirement March 28, 1987; died Oct. 4 at the age of 70.

Harvey J. Knepp, mechanic, Office of the Physical Plant, from Aug. 1, 1964, until his retirement Jan. 1, 1983; died Oct. 5. He was 76.

Blanche R. Lovell, residence hall worker, Housing and Food Services, from Nov. 1, 1966, until her retirement Jan. 19, 1978; died Oct. 3 at the age of 77.

PENNSTATE



INTERCOM

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Volume 27, Number 14

Migrant program produces its first graduates

By KAREN I. WAGNER
Public Information

When Guillermo Ahtuzar was in elementary school he carried the flag of Mexico in parades and other public ceremonies. This December, Guillermo will carry honors of another kind as one of the first graduates of the College Assistance Migrant Program (ICAMP) at Penn State.

Born in Mexico in 1975, Guillermo's family moved north to the United States in search of a better life. Guillermo, who was only 13 years old, worked long hours in Chambersburg, Pa., peach orchards. He wasn't admitted to high school. Instead, Guillermo and his brother attended an English as a second language program where students of various ages and ethnic backgrounds read books like *The Little Engine that Could*.

But Guillermo showed promise.

He spent the summer of 1989 picking sugar beets in Montana. When he returned, he entered the ninth grade and was placed in general classes. Within two weeks, he was transferred into pre-Algebra classes.

In the years that followed, Guillermo's family moved to Gettysburg, Pa., Atlanta, Ga., and Harrisonburg, Va. Although his high school grades and SAT scores were good, family

See "Migrant" on page 2

Research up

Generating innovation, jobs and competitiveness for the state

By BARBARA HALE
Public Information

Penn State's already formidable research enterprise — the largest University-based research effort in Pennsylvania — showed continued growth in fiscal 1997 as measured by expenditures on research activities.

Robert Killoren, director of sponsored programs, said that if research spending from all sources of support are



Watching his weight?

Just in time for Thanksgiving, R. Michael Hulet, associate professor of poultry science, weighs this turkey at the Penn State Poultry Education and Research Center on the University Park campus. This 35-pound bird is one of the many cleaned, dressed, processed and sold by the Poultry Science Club at this time of year.

Photo: Greg Grieco

considered, including federal and Commonwealth funding, private industry, foundations, University infrastructure support and institutional cost sharing, total expenditures for organized research at Penn State reached \$353.4 million in fiscal 1997. The comparable figure for fiscal year 1996 was \$348.4 million.

"Penn State researchers are receiving international

See "Research up" on page 2

Penn State trains for ride in space

Editor's note: The following story is one of several planned for Intercom to focus on James Pawelczyk, Penn State's first faculty member to go into space.

By DAVID PACCIOLI
Special to Intercom

CLEAR LAKE, Texas — "I had my mom up here in the commander's seat," Jim Pawelczyk said, smiling. "It was great. She was like a five-year-old kid."

Inside the cavernous Building 9 at the Johnson Space Center, south of Houston, Pawelczyk, assistant professor of physiology and kinesiology at Penn State — and NASA astronaut — was showing me around the training model of the Space Shuttle Columbia, aboard which he and six fellow crew members will circle the globe for two weeks next April. Their mission, known as STS-90 or NeuroLab, will probe the effects of weightlessness on the nervous system. In addition to yielding insights into how the body adapts to space, the experiments they conduct should advance understanding of earth-bound conditions like Alzheimer's and Parkinson's diseases and stroke.

The cockpit was snug, every inch filled with instrumentation and troubleshooting instructions. Below, the mid-deck was also close quarters, with stacked sleep stations, storage bins, a vacuum-operated toilet, and a galley with rehydrator and convection oven. From there we clambered through a tight tunnel rearward to the Spacelab itself, the 23-by-9-foot module that is the heart of the NeuroLab mission. In flight, this self-contained laboratory will hold a small menagerie of animals — rats, mice, crickets, snails and fish — and special equipment ranging from a rotating chair for testing a sub-

See "Space" on page 3

Inside



Honoring veterans

Several hundred people gathered outside Old Main on the University Park campus to pay tribute on Tuesday, Nov. 11 to veterans of all wars. As part of the event, Civil War re-enactors from Boalsburg took part. For photos of the event, see page 10.



Life-saving research

Scientists from the College of Medicine have developed a new protein that will help in the fight against brain cancer. For more information, turn to page 11.

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Migrant

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finances were not. For Guillermo, attending college seemed an impossible dream.

After graduation, he went to work on a Mennonite farm near Gettysburg. It was 1993 — the same year that CAMP got started at Penn State.

The program was launched at Penn State with a \$1.5 million grant from the U.S. Department of Education to provide educational programs that would help migrant youths begin college careers. The grant was one of only six awarded in the nation and the only one on the East coast.

CAMP provides intense academic counseling, tutoring, cultural experiences, mentoring and financial aid for students like Guillermo as they make the transition from migrant or seasonal farm workers to college graduates. Under the direction of Howard E. Wray III, associate dean for undergraduate education, and Jeri R. Galaida, program director, CAMP students also attend workshops on study skills, college life and career planning. Currently, 35 students are enrolled from the eastern stream, which stretches from Maine to Florida.

Since the fall of 1993, CAMP has enrolled 103 students from migrant or seasonal farmworker families. So far, 80 percent have remained in college after their freshman year — an astounding retention rate given the fact that nationally, 60 percent of students from disadvantaged backgrounds drop out of high school and only 8 percent of incoming students from disadvantaged backgrounds even have a chance of completing college.

CAMP staff found Guillermo on a recruiting trip to Gettysburg. With encouragement from his family, Guillermo enrolled in Penn State's Division of Undergraduate Studies and earned a 3.02 grade point average his first semester.

Guillermo continued working to help support his



Successful firsts

Guillermo Altuzar, (far right), will graduate from Penn State's College Assistance Migrant Program this December. Here, he takes a break from his studies with fellow CAMP students. Seated in the front row, from the left, are Alberto Alvarez and Lilliam Santiago. Santiago also will graduate this year with a bachelor's degree in secondary education. In the back row, from the left, are Luis Garcia, Sandra Rodriguez and Altuzar.

family and worked for a Penn State faculty member in exchange for room and board. This faculty member in the College of Engineering was instrumental in helping Guillermo stay in school.

Along the way, he tutored fellow students in math.

On Sunday, Dec. 21 Guillermo will receive his bachelor's degree in mechanical engineering. He will be the first in his family to earn a college degree, and

plans to continue his studies and conduct research in the area of fluids or thermodynamics.

Incoming CAMP students have the choice of attending Penn State at either its University Park or Altoona locations. CAMP students like Guillermo continue to enrich University life, sharing their culture and contributing to annual Asian and Hispanic celebrations and events.

Research up

continued from page 1

recognition for their work in many fields from the sciences and engineering to the humanities and arts," said Rodney A. Erickson, vice president for research and dean of the Graduate School. "We are grateful for the many organizations that support our research enterprise.

"Our research programs are crucial to the education of both graduate and undergraduate students who benefit from the expertise of faculty who are on the cutting edge of discovery exploring the latest ideas and methods," Erickson said. "Students work directly with the faculty on research and creative activities and these collaborations provide hands-on learning opportunities, as well as synergy and innovation in both the lab and the classroom."

As Pennsylvania's land-grant institution, Penn State's research also supports the University's outreach mission and its economic development contributions to the Commonwealth. Penn State's research enterprise serves this goal since it enhances the competitiveness of Commonwealth businesses at home and abroad, fosters innovation and creates jobs, said Erickson.

According to data compiled by the Association of American Universities, about 44,000 jobs in Pennsylvania can be attributed to research activities at the state's doctoral-granting universities. Penn State's share is nearly 14,000 of those jobs. Since the chief funding sources are federal government agencies, those grants and contracts — and the jobs they generate — would go to other states if Penn State researchers were not able to successfully compete for them.

Erickson noted that the actual tally of jobs generated by Penn State research activities is higher than the AAU numbers suggest since "the figures do not account for the jobs that are created or saved as a direct result of technologies developed at Penn State and transferred to companies across the Commonwealth."

Last year, 379 Pennsylvania companies invested in more than 800 Penn State research projects — about 20 percent more than the previous year. In fiscal 1997, nearly \$58.3 million from industry and other private sources was reported in expenditures for these and other projects. For example, Penn State's Center for Advanced Drivetrain Technologies, which focuses on improving specialty steels for heavy equipment components, partnered with three Pennsylvania specialty steel producers to develop advanced

According to data compiled by the Association of American Universities, about 44,000 jobs in Pennsylvania can be attributed to research activities at the state's doctoral-granting universities. Penn State's share is nearly 14,000 of those jobs.

alloys. Thanks to the partnerships and the enhanced innovation and competitiveness generated, one of the companies recently won a contract to provide new alloys for the manufacture of 700 Apache helicopters — preserving and creating jobs in Pennsylvania.

Students participate directly or indirectly in virtually all of the active research projects, which include studies of health care and disease control, particle physics, archaeological reconstructions, global warming,

drought-tolerant food crops, electronic materials, ways in which to put military technology to civilian use and a wide array of other topics.

"Student participation in research projects often enables them to have a direct impact on people's lives and their communities," Erickson said. "One example, is the nutritional improvements that have occurred among the rural elderly as a result of a collaborative undergraduate research project with Meals on Wheels in Schuylkill County."

Erickson said these types of community-University collaborations show that research isn't always something far away — "like the distant planets studied by our faculty and students. These projects touch people's everyday lives."

"The research we perform today leads to the important innovations of tomorrow in health, education, business and the environment," he said. "It enriches the academic lives of our students as we teach and they participate in the process of discovery. It provides a strong knowledge base for the outreach programs of Penn State in its role as the Commonwealth's land-grant university and is essential to our goal of being the best university in the nation at integrating teaching, research and outreach."

Space

continued from page 1

ject's vestibular system (balance) to a virtual-reality helmet.

Later we stopped in at mission control, where flight controllers were running a simulation: seated or standing at their consoles, speaking quietly through their headsets as a hypothetical launch scenario took shape on the huge screens in front of them. This particular launch, it soon became clear, would have to be aborted, and the flight was eventually brought to rest on an airstrip somewhere in West Africa.

After lunch, it was back to training. For Pawelczyk, as one of the NeuroLab's two payload specialists, first priority is the mission's 26 experiments, submitted by investigators from Japan, France, Germany, Italy and Canada as well as across the United States.

"They have selected us to be their hands in space," he said. As such, crew members must understand each experiment at least as well as its designers do.

The other half of training is learning to live in microgravity. Pawelczyk has had classes on eating and sleeping in space, and endured numerous rides in the KC-135 or "Vomit Comet," a military jet that flies parabolas to simulate weightlessness.

That afternoon, in the Spacelab mock-up, he and mission specialist Dafydd "Dave" Williams, a Canadian astronaut, ran through procedures for one of NeuroLab's more complicated experiments, involving the nerve signals sent by the brain to con-



In training

Payload specialist Jim Pawelczyk, a Penn State assistant professor of physiology and kinesiology, performs the Kinefit experiment protocol in the Spacelab Mockup where he is preparing for an April 2 flight aboard Space Shuttle Columbia.

Photo: Courtesy of Ames Research Center Neuron Web site

trol blood pressure. Pawelczyk and Williams worked closely with a team of support scientists, talking through each step as they assembled and set up each element of apparatus.

In the evening, after two games of squash in the astronaut gym, Pawelczyk repaired to his office to document the day, and to catch up on e-mails and phone calls. Early next morning, he and Williams met with NASA staff for line-by-line review of a

small segment of the Flight Data File, the humongous script that minutely details their every activity in space. It's a tedious task, but one that Pawelczyk takes very seriously.

"If you average it out," he explained, "the cost of the time in flight is \$3,000 per man-minute. I feel responsible for using that time as well as I possibly can."

and information systems in Eberly College of Science.

Jill E. Weaver, library assistant, UFO team in University Libraries.

Joel L. Weidner, manager of information systems in Housing and Food Services.

Morris A. Weinstock, senior research programmer in Computer and Information Systems-Center for Academic Computing.

Bernadine A. Weitoish, staff assistant VI in Division of Development and Alumni Relations.

Eileen M. Williams, staff assistant VII in Office of the Vice Provost for Educational Equity.

Frank S. Wilson, executive producer in Continuing and Distance Education.

Elizabeth A. Yazemboski, staff assistant VII at Penn State Abington.

Technical Service

Russell P. Bruce, snack bar worker B, Housing and Food Services at Penn State Altoona.

Connie L. Brumgard, janitorial worker, Office of Physical Plant.

Vanessa L. Campbell, janitorial worker, Office of Physical Plant.

Search begins for program chair

A search committee has been appointed to identify candidates for the position of chair of the Intercollege Graduate Degree Program in Operations Research. Search committee chair is Tom M. Cavalier, professor of industrial engineering.

Operations Research is a dual-title degree program offered as an option through graduate major programs in eight colleges. The chair of Operations Research is responsible for providing overall program leadership; organizing various activities of the graduate program; formulating and executing priorities and enforcing University policies in relation to their effect on the program; assuming general supervision of graduate students, including ensuring satisfactory progress and quality; and overseeing the distribution and expenditure of program funds and the care of property assigned to the program.

Candidates should be faculty members who are currently or potentially associated with the Operations Research program.

Nominations, applications and inquiries should be submitted to Tom M. Cavalier, chair of the Search Committee for Chair of the Intercollege Graduate Degree Program in Operations Research, 114 Kern Building, University Park, Pa. 16802. The closing date for applications is Dec. 19.

Other members of the search committee are: Steven Arnold, associate professor of statistics; Terry Harrison, professor of management science; Joseph Lambert, associate professor of computer science; and Anthony Williams, associate professor of geography.

Advising award nominees sought

Nominations are being accepted for the 1998 Penn State Excellence in Advising Award. This award has been established by the Undergraduate Student Government's Academic Assembly, with support from the Office of Undergraduate Education, to encourage and reward advising excellence.

Awards will be given in two categories: 1) faculty members and 2) professional academic advisers. All current full-time Penn State employees who fit into one of these categories with a minimum of two years experience at Penn State are eligible for the award. Nominees will be evaluated on their impact in the following categories: general advising, academic guidance, career guidance, enthusiasm and assistance in decision making.

Nominations are being accepted until Dec. 12. To receive a nomination form, please contact the Office of the Vice Provost and Dean for Undergraduate Education at (814) 863-1864 or the Academic Assembly Office at (814) 863-1874.

Promotions

Robin E. Manuel, staff assistant VI at Berks-Lehigh Valley College.

William G. Mulberger, manager, University apartments in Housing and Food Services.

Anna M. Nachman, staff assistant V in Intercollege Research Programs.

Rita K. O'Brien, staff assistant VII at Penn State Abington.

Susan A. Owens, library assistant II, UFO team in University Libraries.

Janice L. Pearce, assistant director, budget and finance in Continuing and Distance Education.

Denise S. Peck, staff assistant VII in College of Health and Human Development.

Kevin R. Peterson, assistant to financial officer in College of Earth and Mineral Sciences.

Kathi S. Reynolds, applications programmer/analyst in Computer and Information Systems-Administrative Systems.

Kelly J. Riser, staff assistant VI in College of Arts and Architecture.

Theresa L. Roby, staff assistant VII in Business Services.

Catherine L. Rung, administrative assistant II in Office of the Executive Vice President and Provost.

James R. Schomer, supervisor, trade services in University Libraries.

Debra J. Shelow, library assistant II, UFO team in University Libraries.

Holly M. Shoemaker, administrative assistant I in College of the Liberal Arts.

Nancy E. Shunk, staff assistant VII in Eberly College of Science.

Heather R. Shuttica, graduate enrollment assistant in Intercollege Research Programs.

Lara C. Simmon, network coordinator in Computer and Information Systems-Telecommunications.

Bonnie L. Spicer, staff assistant VI in College of Education.

Karen V. Stitzer, library assistant II, UFO team in University Libraries.

Christine A. Surovec, library assistant II, cast team in University Libraries.

Jaquett C. Wade, program director in Student Affairs.

George M. Weaver, manager, network

LECTURES

Yolanda King to speak at celebration for her father

Penn State will celebrate Dr. Martin Luther King Jr. Day, Jan. 19, with a keynote address delivered by Yolanda King, daughter of the slain civil rights leader. King will deliver her remarks at 7:30 p.m. on Monday, Jan. 19 in Eisenhower Auditorium on the University Park campus.

Born in Montgomery, Ala., two weeks before Rosa Parks refused to give up her seat on the bus, Yolanda King has been in the midst of the struggle for human rights all her life. The oldest child of Dr. Martin Luther King Jr. and Coretta Scott King, Yolanda King has participated in numerous civil and human rights demonstrations and has spoken before countless religious, educational, civic and human rights groups.

Yolanda King graduated with honors from Smith College with a B.A. in theatre arts and African-American studies. She earned her MFA in theatre from New York University and performed in several showcases and off-Broadway productions.

Throughout her career, Yolanda King has combined her involvement in human rights with her artistic pursuits.

Yolanda King's presentation is free and open to the public. Watch for more information on upcoming events planned for Penn State's Martin Luther King Jr. celebration.



YOLANDA KING

Huddle with the Faculty on Nov. 22 and learn about the endangered lion

Explore the various issues affecting Pennsylvania's wildlife conservation efforts as Richard Yahner, professor of wildlife conservation, presents "Wildlife Conservation and the Original Nittany Lion" at 9 a.m. Saturday, Nov. 22, at The Nittany Lion Inn on the University Park campus.

A Penn State alumnus, Yahner helped rescue the "Original Nittany Lion," now on display in Pattee Library, from the University of Pittsburgh. Yahner's research interests concern the dramatic changes in Pennsylvania's forests and the resulting

extinction of several wildlife species, including the mountain lion — the original Nittany lion.

Yahner's free presentation is part of this fall's Huddle with the Faculty, a Penn State Alumni Association continuing and distance education service that features presentations by top Penn State faculty before every home football game.

For more information on upcoming speakers in this year's Huddle with the Faculty series, contact Mary Jane Stout, alumni continuing education, at (814) 865-LION (5466).

Students statewide invited to network at Delaware County gay/lesbian event

College students are invited to the Gay and Lesbian Area College Conference (GLACC) on Friday, Nov. 21, at 4:30 p.m. in the Large Conference Room of the Commons Building, at Penn State Delaware County.

The keynote speaker will be Robert Drake, producer of WXPN's weekly gay radio program "Qzine." The conference is sponsored by the Lesbian, Gay, Bisexual and Friends Alliance and the Office of Student Life of Penn State Delaware County.

The conference is being held to

provide a networking opportunity to area college students in the south-east part of Pennsylvania. The goal is to initiate a link between college and university gay, lesbian and bisexual student groups and to provide a social network where all groups can effectively use their own resources within the community.

Admission is free and dinner will be provided. For more information or to register for the conference, call (610) 892-1207, or e-mail BLH1126@psu.edu.

Penn State Forum will feature talk on professional ethics on Nov. 26

C. Kristina Gunsalus, associate provost of the University of Illinois at Urbana-Champaign, will present "Professional Ethics and Research Integrity: National Issues, Local Challenges" at the Penn State Forum from 11:30 a.m. to 1 p.m. on Tuesday, Nov. 25. The Forum will be held at The Nittany Lion Inn on the University Park campus.

Gunsalus has been responsible for conflict-of-interest and academic integrity policies at the University of Illinois, Urbana-Champaign. A licensed attorney, Gunsalus serves on the committee on research integrity for the Association for American Medical Colleges and the committee on scientific freedom and responsibility for the American Association for the Advancement of Science.

Her presentation is sponsored, in part, by Penn State's Academic Leadership Forum.

The Penn State Forum is a lunchtime speaker series sponsored by the Penn State Faculty Staff Club and the Penn State Bookstore. Tickets are \$10 and include lunch. Reservations can be made by contacting the Faculty Staff Club office in 110 HUB. Departments may reserve 10-person tables in advance; tickets will be on sale at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m. followed by the speech at noon. For more information, call (814) 865-7590.

In the coming months, the Forum series will continue with the following tentative lineup of speakers, with topics yet to be announced:

- Jan. 19 or 23: Jesse Arnette, president of Penn State's Board of Trustees and attorney and senior partner with Arnette, Hastie, McGee, Willis and Greene of San Francisco.
- Feb. 5: C. Peter Magrath, president NASULGC, National Association of State Universities and Land-Grant Colleges.
- March 5: James Cuno, director, Harvard Museums.
- April 16: David K. Scott, chancellor, University of Massachusetts at Amherst, will discuss "Learning to Change: The University as a Learning Organization."



C. KRISTINA GUNSALUS

Labor leader to visit University Park

Jack Sheinkman, former president of the Amalgamated Clothing and Textile Workers Union (ACTWU), will visit the University Park campus from Nov. 30-Dec. 4 as the 1997 Distinguished Labor-Leader-in-Residence.

As part of his stay, Sheinkman will give a public lecture at 7:30 p.m. Tuesday, Dec. 2, in Kern Auditorium.

A graduate of Cornell University's School of Industrial and Labor Relations and Cornell Law School, Sheinkman began his career with ACTWU in 1953. He served as the union's general counsel, secretary treasurer and vice president, before being elected president.

As part of his work with ACTWU, Sheinkman has played an active role in working to achieve greater equality and



JACK SHEINKMAN

justice in the workplace and in promoting civil rights. He has served as commissioner of the Martin Luther King Jr. Federal Holiday Commission, co-chair of the Economic Policy Commission of the United Nations Association, and as a member of the President's Committee on Trade under presidents Reagan, Bush and Clinton.

Following his retirement from ACTWU, Sheinkman was named chairman of the board of the Amalgamated Bank of New York, which was founded by the union in 1923.

The Distinguished Labor-Leader-in-Residence program is co-sponsored by the Department of Labor Studies and Industrial Relations and the College of the Liberal Arts.

Harvard professor to discuss dreams, circa 1610

Jeffrey Masten, Gardner Cowles associate professor in the humanities at Harvard University, will discuss "Reading the Commonplace; or, The Interpretation of Dreams, c. 1610," at 3 p.m. Wednesday, Dec. 3, in 107 Wartik Laboratory on the University Park campus.

Masten, who teaches in the English department at Harvard, is the author

of *Textual Intercourse: Collaboration, Authorship, and Sexualities in Renaissance Drama* (Cambridge, 1997). He has also co-edited *Language Machines: Technologies of Literary and Cultural Production* (Routledge, 1997), and has published numerous articles on print, manuscripts and material textuality. He is currently an NEH fellow at the Folger Shakespeare Library.

Faculty/Staff Alerts

ABC to televise game

Penn State's final home football game of the season against Wisconsin on Saturday, Nov. 22, will be televised by ABC Sports.

The network announced it will regionally televise this Big Ten contest from Beaver Stadium at 3:30 p.m. EST. Previously announced, the Nittany Lions' game against Michigan State, at Michigan, on Nov. 29 also will be broadcast at 1 p.m.

After Thanksgiving sale

Come visit the Penn State Golf Shop on the University Park campus after that big turkey dinner on Friday, Nov. 28, to purchase items at discounts from 20 percent to 40 percent off. The golf shop is fully stocked with items for your holiday purchases. The golf shop will be open from 9 a.m. to 5 p.m.

To participate in another holiday sale, stop by the golf shop on Thursday, Dec. 4, from 5 to 8 p.m. The shop will be decorated with helium-filled balloons, which contain a coupon with a number that will match a list of discounts from 25 percent to 100 percent. Choose your merchandise and a balloon will be popped at the counter to reveal your discount. Holiday refreshments will be provided in the 19th hole. The Penn State Golf Courses are located at 1523 West College Avenue, State College. Call (814) 863-0257 for more information.

King banquet set

The Forum on Black Affairs will be hosting its 23rd Annual Martin Luther King Jr. Memorial Banquet on Thursday, Jan. 15, 1998, beginning at 6 p.m. The banquet takes place at the Penn State Conference Center Hotel in the President's Hall, on the University Park campus. Tickets are \$20 for adults and \$10 for children (12 and under), or \$210 for a reserved table of 10. Tickets may be obtained at the Paul Robeson Cultural Center, or for table reservations, by e-mailing pgh1@psu.edu.

Holiday hours

The Penn State Call Center Services Office, formerly operator information, will be closed Thursday, Nov. 27, for the Thanksgiving holiday. It will resume normal hours of 7:30 a.m. to 11 p.m. Friday, Nov. 28.

Anyone with questions can contact Penny Confer at (814) 865-6881.

Holiday mail service

Mail service to the University community will be suspended from 5 p.m. Tuesday, Dec. 23, until 8 a.m. Friday, Jan. 5, due to the holiday season.

Only buildings that currently receive direct



Blood donor challenge time

Jim Pederson of Clearfield County, a phlebotomist with the American Red Cross, talks with licensed practical nurse Stacey Summerville, a Red Cross collections specialist from Gallitzin while collecting a blood donation from Cindy Phillips, Office of Physical Plant landscaper. Phillips gave blood at the Hetzel Union Building Ballroom on the University Park campus during the kick-off drive for the fourth annual Penn State-Michigan State Blood Donor Challenge. The event continues through Friday, Nov. 21, from 10 a.m. to 4 p.m. in the HUB Ballroom.

Photo: Greg Grieco

delivery from the U.S. Postal Service will receive mail during this time. To find out if your building is eligible to receive incoming U.S. mail, please call Paul Fetzer at (814) 865-9171 or Gregg J. Asciutto at (814) 863-8153 before Dec. 12, or check with the facilities coordinator for your academic/administrative area. Arrangements will be made with the U.S. Postal Service for eligible buildings to receive mail if desired. Buildings that do not receive direct delivery will receive mail after the University resumes operations on Jan. 5.

Interoffice envelopes

Mail Services requests that all excess interoffice envelopes be returned to 108 Business Services Building in order to facilitate equal distribution to all departments. Also, please return any mail tubs that are being used for office storage. A critical shortage has occurred with these items and your help is needed.

Standard 'A' bulk mail

Because of the increase of standard 'A' mailings presented to Addressing Services during the month of December, it may not be possible to process standard 'A' bulk mailings that come in after Dec. 10 until the new year.

University policy on posting announcements

In an effort to keep the University Park campus litter-free, everyone is asked to place all announcements on the general-purpose bulletin boards. Announcements posted in other areas, such as trees, doors, windows, buildings and other University structures, will be removed by Physical Plant employees. Due to the high cost of removing unauthorized announcements, the organization responsible will be charged for removal.

Courses

Health Matters Program

- Enlightening Lunch — Depression ... It's More Common Than You Think!

Do you feel tired or have low energy most days? Have you recently experienced a major loss or life-changing event? You may be experiencing depression. Come to this session to learn more about the signs and treatment of this prevalent affliction. Meets Friday, Dec. 5, from noon to 1 p.m. in 110 Henderson Building (The Living Center) on the University Park campus. Cost: None. To register, contact Jan Hawbaker at (814) 865-3085 or LOH3@psu.edu.

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs on the University Park campus, complete the registration form found in the back of the Fall HRDC catalog, and fax to (814) 865-3522.

- Managing and Organizing Your Electronic Files, PRO 002 — Improve your Windows-based filing systems and enhance your information management skills. Dec. 8, 10 a.m. to noon, 116 Wagner Building. Cost: \$35

- Becoming an Exceptional Assistant, PRO 050 — Dec. 10 and 12, 1:30-4:30 p.m., 118 Agricultural Sciences Building. Cost: \$89

- From Frazzled to Focused: Positive and Productive Telephone Skills, COM 045 — Dec. 10, 8:30 a.m. to 4:30 p.m., 319 Rider Building. Cost: \$99

- Planning and Implementing Strategies for Organizational Change, LDR 057 — Dec. 12, 8:15 to 11:15 a.m., 319 Rider Building. Cost: \$44

ARTS & ENTERTAINMENT

AT PENN STATE

University Choir concert

The Penn State University Choir will present its annual fall concert, "Schubert Serenade," at 4 p.m. Sunday, Nov. 23, in the School of Music Recital Hall on the University Park campus.

The music of Franz Schubert (1797-1828) will be celebrated through several choral works. Sine Nomine, a chamber vocal ensemble conducted by Dennis Malfatti, will perform three secular art songs set by Schubert. Two a cappella works on Latin texts by Pittsburgh composer Richard Rossi will conclude the program.

The University Choir is one of the oldest choral organizations in Penn State's School of Music. Approximately 110 students from every college within the University represent diverse backgrounds and interest in music but all share the common bond of pursuing excellence in choral music. Anthony T. Leach, assistant professor of music education, is the conductor.

Tickets are \$4 for non-students and \$2 for students, and are available either in the School of Music Office in 233 Music Building I, or at the door before the performance.

Jazz lecture and recital

Lawrence Moore will perform a lecture and recital on "The Concepts Utilized by Influential Tenor Saxophonists of the '50s and '60s in Latin and Caribbean Jazz" at 8 p.m. Sunday, Nov. 23, in the School of Music Recital Hall on the University Park campus.

Moore will perform Latin standards such as "Con Alma" and "Recovda Me." A detailed discussion of the legendary improvised solos from these selections also will take place. Joe Henderson, Sonny Rollins, Stan Getz and Dexter Gordon are

among the saxophonists to be discussed. The accompanying combo consists of Dave Horoshak, guitar; Chris J. Bird, bass; and Trevor Watkins, drums.

The lecture and recital are free to the public.

Two concerts on Nov. 24

The Penn State Concert Band and the Symphonic Wind Ensemble will present concerts on Monday, Nov. 24, starting at 7 p.m. in the School of Music Recital Hall on the University Park campus.

The Concert Band, conducted by Patrick Jones and Kevin Tutt, will perform at 7 p.m. The Symphonic Wind Ensemble, Penn State's premier wind and percussion group under the direction of Dennis Glocke, associate professor of music, and Kevin Tutt, will begin at 8:30 p.m.

Featured works of the Concert Band include suites by Malcolm Arnold and Gordon Jacob; Vincent Persichetti's "Pageant," Prelude and Fugue in D minor by Johann Sebastian Bach; and Percy Grainger's lyrical "Ye Banks and Braes O' Bonnie Doon."

The Symphonic Wind Ensemble's concert features works for both full band and chamber wind ensemble. The Penn State Percussion Ensemble, conducted by Dan Armstrong, will join the concert for David Gillingham's "Normandy Beach 1944."

Both performances are free to the public.

Trombone Choir

The Penn State Trombone Choir will perform in concert at 8 p.m. Tuesday, Nov. 25, in the School of Music Recital Hall on the University Park campus.

Directed by Mark Lusk, associate professor of music, the 25-member



At the HUB

This and other works by Anna Vaserstein will be on exhibit in the Hetzel Union Building Browsing Gallery on the University Park campus through Dec. 13.

ensemble has been featured at regional and national festivals.

The program will begin with chamber works performed by select members of the choir and will conclude with full-choir works by Hidas, Saint-Saens and Wagner. The concert is free to the public.

Odyssey on WPSU

On the next episode of *Odyssey Through Literature*, host Leonard Rubinstein and graphic artist Chip Kidd discuss book jacket designs that "make your brain tingle."

Kidd, a designer for Alfred A. Knopf Publishers, describes his proposed designs for a book titled *Sexual Slang*. Kidd created two separate covers — one of a naked man, the other of a naked woman, an owl, a beaver and a rooster cover their sexual parts. Although the publisher liked both designs, book dealers refused to market the cover with the woman on it.

On the Nov. 30 *Odyssey Through Literature*, Jonathan Kalb of the Hunter College theatre department will discuss German playwright Heiner Müller. Müller grappled with the dead in his plays.

Odyssey Through Literature is produced as a continuing education

service of the Department of Comparative Literature. It airs Sundays at 6:30 p.m. on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania. The complete semester's schedule can be found on the Web at <http://mickeyla.psu.edu/compLit/odyssey/odyssey.htm>.

Bach's Lunch

The 14-member Penn State Flute Ensemble will present a program of chamber music for flutes at 12:10 p.m. Thursday, Dec. 4 for the Bach's Lunch concert series in Eisenhower Chapel on the University Park campus. The 20-minute, free concert is sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The Flute Ensemble employs a wide range of instruments in the flute family. Conducted by Donna Sansone, the ensemble will perform works drawn from the renaissance, baroque, classical and contemporary repertoire.

After the concert, audience members are invited to take their bag lunches to the Roy and Agnes Wilkinson Lounge, in Eisenhower Chapel. Coffee and tea will be provided.

Faculty Senate

Final meeting before holiday break is scheduled for Dec 2

The University Faculty Senate will meet at 1:30 p.m. Tuesday, Dec. 2, in room 112 Kern Graduate Building on the University Park campus. Some of the items to be addressed are:

- Final report and recommendations of the special committee on general education (legislative)
- Reserved spaces program (informational)
- Report of high school students enrolled in nondegree credits courses (informational)
- Faculty retiree rights and privileges (informational)

■ Faculty rights and responsibilities annual report for 1996-97 (informational)

■ Annual report of academic eligibility and athletic scholarship for 1996-97 (informational)

■ Alcohol-abuse issues related to organized student housing (informational)

■ Grade distribution report (informational)

■ Mid-semester evaluation process 1992-96 (informational)

■ Costing of special committee on general education report (informational)

Members of the University community may attend this meeting. Any member of the University community not a member of the Senate may request the privilege of the floor on any item of business already before the Senate. Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, November 21

■ Puerto Rican Awareness Week Food Festival, 11 a.m. to 2 p.m., Paul Robeson Cultural Center.
Banderama '97, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Eileen Penn, organ, student recital, 8 p.m., Recital Hall.

Saturday, November 22

Seventh Annual Holiday Ornaments Exhibition, 10 a.m. to 4:30 p.m., Palmer Museum of Art.
Robin Seymour, gallery talk on "Marsden Hartley's Modernism," 11:30 a.m., Christoffers Lobby, Palmer Museum.
Lisa Plumley, voice, graduate recital, 8 p.m., Recital Hall.
Rolando Freitag, violin, graduate lecture/recital, 8 p.m., 122 Music Building II.

Sunday, November 23

Sue Kearney, saxophone, student recital, 2 p.m., Recital Hall.
University Choir Concert, 4 p.m., Recital Hall. For tickets, call (814) 863-0255.

Lawrence Moore, saxophone, graduate lecture/recital, 8 p.m., Recital Hall.

Monday, November 24

Concert Band, 8 p.m., Recital Hall.

Tuesday, November 25

Happy Valley Toastmasters, noon to 1 p.m., 310 Shields.
Trombone Choir, 8 p.m., Recital Hall.

Wednesday, November 30

Odyssey Through Literature, 6:30 p.m., WPSU and WPSB.

Monday, December 1

Kim Kranich, film/discussion on "Confronting AIDS in Rural America," noon to 1 p.m., 120 Bouck Building.

Thursday, December 4

Penn State Flute Ensemble, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Sax Quartet, 8 p.m., 122 Music Building II.

■ "Viktor and Viktoria," 8:30 p.m., 113 Carnegie.

SEMINARS

Friday, November 21

J.P. Looney on "Single Cavity Mode Ringdown Spectroscopy," 2:30 p.m., SS Osmond Laboratory.
Johann Rafelski on "Quark-Gluon Plasma," 3:30 p.m., 339 Davey Laboratory.

Michael Heiman on "Race, Waste and Class: Environmental Discrimination in Pennsylvania," 4 p.m., 206 Walker.

Angeliki Tzanetou on "The Pattern of Nostos in Euripides' Heracles," 4:30 p.m., 102 Weaver.

Saturday, November 22

Richard Yahner on "Wildlife Conservation and the Original Nittany Lion," 9 a.m., The Nittany Lion Inn.

Monday, November 24

Howard Ratcliffe on "Penn State's Bioprocessing Resource Center," 12:20 p.m., 239 Agricultural Engineering.

Lionel Mason on "The Rarita-Schwinger and the Einstein Equations," 2 p.m., 339 Davey Laboratory.

■ Peter Gould on "Lisbon 1755: Catastrophe and Communication," 2:30 p.m., 202 Burrows.

Tuesday, November 25

Louis J. DeTolla on "Transgenic Mice, ADHD and Cardiac Myxoma," 9 to 10 a.m., 118 Agricultural Sciences and Industries.



For sale

The official 1997 holiday ornament commemorating the 25th anniversary of the Palmer Museum of Art on the University Park campus will be on display and for sale at the seventh annual Holiday Ornament Exhibition and Sale, Nov. 22-23 at the museum.

Photo: Greg Grieco

Tina Gansulus on "Professional Ethics and Research Integrity: National Issues, Local Challenges," 11:30 a.m., Ballroom, The Nittany Lion Inn.

John Vohs on "Surface Science Studies of Model Supported Metal Catalysts," 2:30 p.m., Paul Robeson Cultural Center.
Murat Gunaydin on "Orbits of Exceptional Groups and BPS Saturated Black Holes," 3:30 p.m., 339 Davey Laboratory.
Jyoti Chhabra on "Predicting the Use of Unhealthy Weight Loss Behavior in Adult Women," 4 p.m., 110 Wartik Laboratory.
James Marden on "Surface-Skimming Solitons and the Evolution of Insect Flight," 4 p.m., 8 Mueller Laboratory.

Wednesday, November 26

Balakrishnan Prabhakaran on "Network Resource Management for Distributed Multimedia Presentations," 4 p.m., 302 Pond Laboratory.

Monday, December 1

P. Jenkins on "But Who Do You Say That I Am? Jesus in Modern Scholarship," noon to 1 p.m., 212 Eisenhower Chapel.

Tuesday, December 2

Suet-ling Pong on "An Analysis of the Social Compositional Effect of Single-Parenthood on Achievement via Hierarchical Linear Models," noon to 1 p.m., 406 Oswald Tower.
Janice Fischer on "Ubiquitin and Cell Communication in Drosophila Eye Development," 4 p.m., 8 Mueller Laboratory.
Claudia Probst on "New Dimensions in Nutrition Education," 4 p.m., 110 Wartik Laboratory.

Jack Sheinkman, 1997 Distinguished Labor-Leader-in-Residence, 7:30 p.m., Kern Auditorium.

Wednesday, December 3

■ Michael Naydan on "Ukrainian Perversion: The Novel," noon to 1 p.m., 316 Burrows.

Tracy B. Nixon on "The Role of Cooperativity and Oligomerization in Transcription Activation by DcId, a Sigma-54-Dependent, Enhancer-Binding Protein," 12:20 to 1:10 p.m., 112 Buckhout Laboratory.

Jefferson Cowie on "On the Road with RCA: Capital Migration and Labor's Sense of Place in North America, 1929-1997," 3 to 5 p.m., 102 Weaver.

Jeffrey Masten on "Reading the Commonplace; or, The Interpretation of Dreams, c. 1610," 3 p.m., 107 Wartik Laboratory.

Pedro Ponte Castaneda on "Microstructure Evolution in Porous and Particle-Reinforced Composite Materials," 3:35 p.m., 108 Sackett.

Pamela Farley on "Consumer Assessment of Health Plans," 4 to 5 p.m., 110 Henderson.

Thursday, December 4

Gloria Lubkin on "Adventures of a Science Reporter," 3:30 p.m., 101 Osmond Laboratory.

Yiannis Almonides on "The Geometry of Video," 4 p.m., 302 Pond Laboratory.

Financial planning seminar, 7 to 8 p.m., HUB. For reservations, call (814) 865-3980.

CONFERENCES

Friday, November 28

■ Egyptian Military Service Logistics Training, The Penn State, through Dec. 21.

EXHIBITS

HUB Art Alley Cases

HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Browning Gallery

Exhibit by Anna Vaserstein, through Dec. 13.

HUB Formal Gallery

Paintings by Maria Sanchez, through Dec. 13.

Kern Exhibition Area

■ Photographs by Javier Escudero, through Dec. 8.

Kern Flat Cases

Jewelry by Denise Arief, through Dec. 10.

Kern Tell Cases

Items in wood by Steve Strouse, through Dec. 8.

Palmer Museum of Art

"Photographs by the Steiglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the 16th through Early 20th Centuries," Special Exhibition Gallery I, through Dec. 21.

Zoller Gallery

"New Faculty of the School of Visual Arts Exhibition," through Nov. 30.

M.F.A. Thesis Exhibition, Dec. 3 through Dec. 20.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

NOVEMBER 21 • DECEMBER 4

Cyber quiz tests knowledge of Penn State facts, trivia

Do you know the authentic origin of the word "Nittany"? How well do you know other aspects of Penn State lore? Now you can test your knowledge, thanks to a new quiz offered on the Office of University Relations Web site. You might even win a prize.

"What is a Nittany Lion?" Is a joint effort of University Relations, the Center for Academic Computing, the Penn State Archives and the Penn State Bookstore. It consists of 25 multiple-choice questions. The address is <http://www.psu.edu/ur/quiz/>. Respondents who answer all 25 questions, regardless of how many they get right, will be eligible for prizes to be awarded

in a random monthly drawing. Prizes consist of Penn State T-shirts, caps, posters or other University-related items courtesy of the Penn State Bookstore.

"The quiz measures how much you know about the University and gives you a chance to increase your understanding of Penn State," said Michael Bezilla, director of development communications and special projects in University Relations. "But we wanted it to be entertaining as well, so we've included some just-for-fun questions and answers." A co-developer of the quiz, he based part of the content on his book, *Penn State: An Illustrated History*.

Doug Stanfield, coordinator of information technology in University Relations, developed the concept of using the quiz as an interactive medium to connect the University to alumni and others. When visitors check their answers at the end of the quiz, they will find descriptive background information about each question.

The quiz was programmed by former graduate student Senaka Balaskura, who worked in CAC. Graduate student Shrikant Vijay Ranade maintains the program. University Archivist Leon Stout also contributed photos and information.

■ Alumni Fellows

Two are named from College of Engineering

The Penn State Alumni Association has selected two engineering graduates as 1997 Alumni Fellows.

Henry R. Barracano, a 1948 graduate with a degree in electrical engineering and retired assistant to the senior vice president of engineering construction for the Arabian American Oil Co. (ARAMCO), and **John B. Nelson**, a 1955 industrial engineering graduate and retired senior vice president of LaSalle Partners in Washington, D.C., will be presented with the awards today.

Barracano has more than 40 years of experience in energy-related project management and construction. As an engineer and consultant, he has directed major projects involving power systems, infrastructure, pipelines and offshore platforms throughout the world. He joined ARAMCO in 1956 as a staff engineer for utilities and by 1983, had risen to the position of assistant to the senior vice president for engineering and construction. Since his retirement in 1983, he has served as an independent consultant.

He is a senior member of the Institute of Electrical and Electronics Engineers and a member of the Petroleum Club of Houston. He holds memberships in the Society of Penn State Electrical Engineers, the President's Club and the Penn State Alumni Association.



HENRY R. BARRACANO

Union Station in 1979. By the time he retired in 1990, he had become senior vice president and helped the company grow to a firm that provides a full range of real estate, pension investment and development services to corporations and institutions.

Nelson is a former member of the development committee of the Penn State Engineering Society and holds memberships in the President's Club and the

Nelson spent 18 years working for major American corporations, including Armstrong Cork, Reynolds Metals and IBM, after graduating from Penn State in 1955. In 1972, he joined LaSalle Partners, a real estate firm in Chicago. He opened the firm's Washington, D.C., office to redesign and develop



JOHN B. NELSON

Penn State Alumni Association. In 1990, he and his wife, Catherine, with gifts matched by the McGraw Foundation, endowed the John B. and Catherine B. Nelson/McGraw Foundation Endowed Scholarship in Industrial Engineering. The scholarship recognizes outstanding undergraduate students in industrial

engineering at Penn State.

As part of the Alumni Fellows program, the award recipients will be speaking with students, meeting with department heads and faculty, and touring the college's facilities during their Penn State visit. The Alumni Fellow award is administered by the Alumni Association in cooperation with academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

College earns grant to study older African American twins

The College of Health and Human Development has been awarded a \$1 million grant from the National Institute on Aging to study the health and psychosocial factors in older African American twins.

Directed by Keith Whitfield, assistant professor of biobehavioral health, this five-year study will help to identify the sources of individual variation (proportion of genetic and environmental influences) in health among African American twin pairs aged 65 years and older. Knowledge of these individual differences is expected to significantly contribute to the understanding of aging in a population that has experienced a different variety of environmental influences than other racial/ethnic groups. Knowledge about African Americans may allow greater insight into the role of environment and

genetics in aging and what influences really affect health among the greater populace.

Whitfield has brought together a team of researchers for the study, including Gerald McClearn, Evan Pugh professor of health and human development and biobehavioral health and director of the college's Center for Developmental and Health Genetics; Toni Miles, a professor at the University of Texas Health Science Center at San Antonio; and Robert Cairns, director of the Center for Developmental Science at the University of North Carolina at Chapel Hill. They will perform in-person interviews with African American twins and their siblings who reside in North Carolina, South Carolina and Virginia to assess cognition, mental health, physical health, personality and social variables in later life.

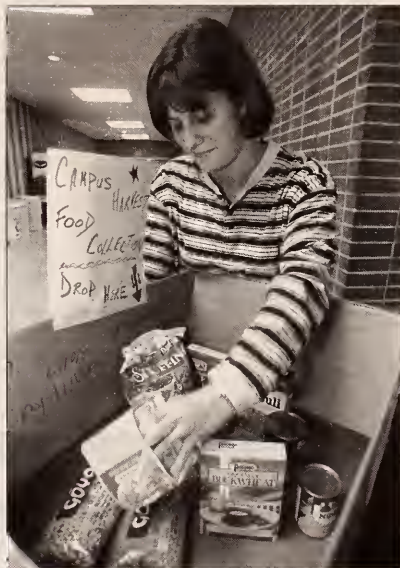
Penn Staters

A new work for violin and piano, "Sonata for Violin and Piano: House Made of Dawn," by School of Music composition instructor Paul Barsom, will receive its world premiere on Nov. 30, at Central Missouri State University. Violinist Scott Noo and pianist Mia Kim, international artists who commissioned the work, will perform the half-hour long piece.

A. Welford Castleman Jr., Evan Pugh professor of chemistry, recently delivered the opening plenary lecture during the Polish Chemical Society's celebration of the millennium of the city of Gdansk. His lecture was titled "Clusters: Probing the Properties and Dynamics of Intermediate States of Matter." Castleman also delivered a lecture titled "Elucidating Dynamical Events in Clusters Using Ultrafast Lasers" during his visit to the Academy of Science in Warsaw.

Stanley Curtis, professor of animal sciences, chaired a national task force that developed the report, "The Well-Being of Agricultural Animals," published recently by the Council for Agricultural Science and Technology.

Mark Hayward, professor of sociology and Population Research Institute associate, presented the paper "The Race Gap in Chronic Disease: The Persistence of Social Disadvantage into Old Age" at the Tenth Meeting of the International Network on Health Expectancy (REVES-X) in Tokyo. Co-authors of the paper were E.M. Crimmins of the University of Southern California and Yang Yu, PRI dual-degree graduate student in demography and sociology.



Sharing the harvest

Liesle Niemman, a junior in nutrition, helps collect food in the Pollock Commons on the University Park campus as a Food Bank of State College volunteer. The food bank receives thousands of pounds of food from drives conducted by numerous groups and departments at the University. In addition, University faculty, staff and students volunteer their time to pack food orders and sort donations. Right now, the food bank is soliciting instant potatoes, rice and money. Some of the money will help to buy turkeys for the holidays. The money also will help keep the food bank operating throughout the year.

Photo: Greg Grieco

Partings

Shenango CEO retires after 32 years of service

Penn State Shenango's Campus Executive Officer, Albert N. Skomra, retired effective Nov. 15, after 32 years with the University — the last seven at the Shenango campus.

Under the direction of Skomra, Penn State Shenango has seen many positive changes. New two-year associate degrees have been implemented at the campus in the health and human development, physical therapist assistant and occupational therapy assistant programs, and the four-year baccalaureate degrees in health and human development and business administration programs are being developed.

In addition to new programs, the campus has undergone major physical improvements. The renovation of the library, bookstore, learning center and pedestrian mall, which was one of Skomra's main goals when he was hired at Penn State Shenango, has changed the focal point of the campus and has made the Penn State presence in downtown Sharon stronger. Over the last several years, the campus has had many additional physical plant changes including the refurbishment of the gymnasium and the student union/cafe/tertia, the construction of a new maintenance building, and most recently, the acquisition and razing of



ALBERT N. SKOMRA

the building next to the campus' auditorium. The reorganization of the campus' development office and the acquisition of major gifts for student scholarships, was just another of Skomra's goals when coming to the Shenango campus. With the hiring of Steve Hessmann as director of University Relations, the campus has raised well over a half million dollars in addition to the \$1.5 million bequest from William P. McDowell. Most recently, Skomra and Hessmann secured a \$119,000 gift from William Shannon of Sharpville, Pa., for the campus' first program specific endowed scholarship.

During his career with the University, Skomra served in several positions beginning in 1966 with the Fayette campus as an English faculty member.

From 1984-1985, he held the position of acting campus executive officer. In 1985, Skomra was appointed associate head of the University's Department of English for the Commonwealth Educational System. Before coming to the Shenango campus, Skomra once again taught English, composition and poetry for the Fayette campus.

"I have had a long and gratifying career in education, especially with Penn State University. I am particularly pleased that my last assignment has been my most satisfying both personally and professionally," stated Skomra.

During his retirement, Skomra plans to stay active in higher education both in administration and teaching. Most specifically, he will return to his mining lore and literature research at the Fayette campus. He and his wife, Marg, also plan to spend more time with their four children and six grandchildren.

Richard Lenzi, director, business and financial services, Penn State Shenango, has been appointed the acting campus executive officer. Lenzi will serve the needs of the campus until a permanent CEO is appointed.

Professor gains emeritus status

Joseph French has retired as emeritus professor of education after 33 years of service to the College of Education. French served as professor of special education and educational psychology and head of the then-Department of Special Education. He also served as professor-in-charge of the Educational Psychology Program, and from 1976-1996, professor-in-charge of the School Psychology Program. He has served on numerous college and university committees, including the University Faculty Senate and the Graduate Council. And, for 32 years, he was director of the Center for Educational Diagnosis and Remediation.

At the state level, French was a gubernatorial appointee to the Pennsylvania Board of Psychology for three, four-year terms. He also served as chair of the Advisory Board for the National Resource Center for Pennsylvania, as a member of the State Special Education Advisory Committee, as chair of the Mental Health Association of Central Pennsylvania, and as president of the Pennsylvania Psychological Association.



JOSEPH FRENCH

French is a past president of the American Psychological Association's Division of School Psychology and the Association for the Gifted, a division of the Council for Exceptional Children.

He is a Fellow in the American Psychological Association, the American Psychological Society, the Association of State and Provincial Psychology Boards and the Pennsylvania Psychological Association. In 1993, he received the Dorothy H. Hughes Memorial Award for "outstanding achievement in the field of education and school psychology," from New York University. And, in 1996, he received the award for distinguished contributions to the science and profession of psychology from the Pennsylvania Psychological Association.

He and his wife, Peg, an assistant professor in the Department of Theatre Arts will continue living in the State College area. In his retirement, French plans to continue running three miles a day and take canoeing trips with his children and grandchildren.

Temporary project led to long career

Donald W. Johnson, who came to Penn State in 1963 for one year, to complete a federally funded project, has retired after more than three decades of service.

After completing his one-year stint in 1964, Johnson joined the College of Education as an assistant professor in the educational psychology department focusing on technology. Hired as associate director of the University's Division of Instructional Systems in 1967, he later became director. Johnson maintained his academic position throughout his administrative posts. He always tried to teach one course a year and serve on graduate committees because he said he felt it was the most important thing the University did.

For the last three years, Johnson served as head of the Department of Adult Education, Instructional Systems and Workforce Education and Development. When he took the position, all three programs within the department were located in different buildings. Today, Johnson is pleased the department's programs are all in the Keller Building on the University Park campus, and all three programs are actively working together as one unit.



DONALD W. JOHNSON

Book Shelf

German Expressionist Plays, Volume 66 in The German Library (Continuum Press, New York, 1997) is a compilation of nine seminal Expressionist plays in English translation from Ernst Schürer, professor of German and Fellow of the Institute for the Arts and Humanistic Studies.

Schürer's selection of plays, such as "Murderer the Women's Hope" by Oscar Kokoschka and "Santa Susanna" by August Stramm, show how German Expressionism of the early 20th century had an enormous impact on all of the arts. As artists searched for new values in art and life, they saw their primary mission as the creation of a new individual. Already

before World War I they were protesting against a complacent society and the war intensified their social criticism and protest. Their platform was the theatre and Expressionism had its main manifestation in drama. The volume also includes an introduction and bibliography.

Appointment

DuBois names acting campus executive officer

Claudia A. Limbert has been named acting campus executive officer at Penn State DuBois. She will succeed Joseph C. Strasser, who was named dean of the Commonwealth College. Limbert will carry out the duties and responsibilities of the CEO until a permanent successor is named.

As acting CEO, Limbert will provide vision and leadership for the faculty and staff to help ensure that educational opportunities of the highest quality are available to the people of DuBois and the surrounding region. She will also oversee staff operations in five areas: academic affairs, student affairs, business services, university relations and continuing education.

"My goal as acting CEO will be for Penn State

DuBois to realize the goals in all areas that Dr. Strasser has set for us," said Limbert. "We will work hard individually and as a team to make them happen."

During the past year, Limbert has seen two associate degree programs — physical therapist assistance and occupational therapy — receive initial accreditation from their national accrediting bodies while the electrical engineering technology and mechanical engineering technology programs were fully reaccredited. She has also guided the implementation of the new baccalaureate degree in human development and family studies program under the University's plan to make Penn State baccalaureate degree programs more accessible to students throughout the state. She also has instituted a Satur-

day program, extended evening course offerings, and led the team that wrote a winning grant proposal to renovate the Learning Center.

Limbert holds the academic rank of associate professor of English and women's studies and currently serves as the director of academic affairs at Penn State DuBois. She accepted that position in May 1996 following a yearlong internship as an Administrative Fellow in the office of Robert E. Dunham, then vice president and dean of the Commonwealth Educational System. Before that appointment, she taught at Penn State Shenango, where she was named Teacher of the Year and served as both Faculty Congress chair and campus ombudsperson. She continues to teach on a limited basis.

■ Lest we forget



A Veterans Day Ceremony was held on the Old Main lawn Tuesday, Nov. 11. The ceremony, sponsored by the Penn State Veterans Organization, featured ceremonial canons fired by the Third Pennsylvania Volunteer Light Artillery Battery B, top, as well as music by Alistair Fraser, professor of meteorology, right, and other members of the Nittany Highland Pipe Band, a 21-gun salute and speeches by U.S. Sen. Rick Santorum and Pennsylvania Rep. Kerry Benninghoff. Above, Santorum, right, presented a plaque to Lt. Col. William E. Haner of the Penn State Army R.O.T.C.

Photos: Greg Grieco

Research

American high schools need to stress achievement again

By PAUL BLAUM
Public Information

To better serve young people, American high schools need to tighten up curriculum, put less stock in feeding self-esteem and place more emphasis on traditional learning.

"Most high schools, particularly those in poor neighborhoods, can improve student performance by placing their academic mission at center stage and allowing their social mission to play a supporting role," said Roger C. Shouse, assistant professor of education.

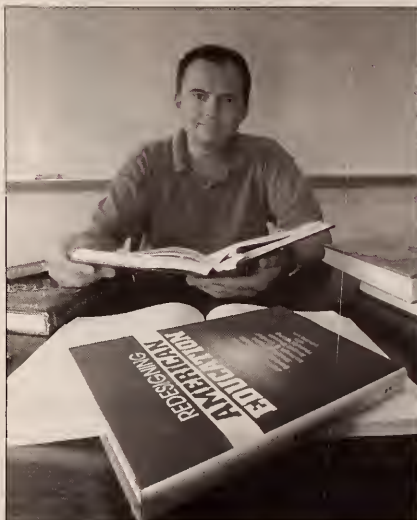
"Schools with mostly lower-class students can potentially reap the greatest benefits from this change," Shouse said. "On the other hand, they face the steepest challenge in carrying out this change because the prevailing social norms in disadvantaged schools often run counter to serious academic activity and effort. These schools must often struggle to create new norms that stress real achievement."

In practical terms, this will result in fewer students being shuttled into "sidetrack" courses such as consumer math or business English as opposed to algebra or classic literature. It will also mean that enrollment standards will be raised for tough upper-level courses.

"Many have argued the unfairness of holding all schools to the same achievement goals at a time when fiscal resources are unequally distributed across socioeconomic levels," Shouse said. "Those same people overlook, however, another kind of deficit: that of emphasis on academic excellence."

Poor schools certainly could benefit from increased funding, but years of production studies, as well as recent empirical evidence, indicate the ineffectiveness of increased spending on material resources.

"Our evidence suggests that far more might be gained through a better marshaling of human resources at all levels of the school system," Shouse said. "Examples of this would be developing rigorous externally



Research by Roger C. Shouse, assistant professor of education, suggests that a move back to traditional learning and an emphasis on academic excellence would be of great benefit to students, and may outweigh even increased funding for schools in its educational effectiveness.

Photo: Greg Grieco

devised standards of academic achievement and transforming the teacher's role into that of a coach who works to help students attain those standards."

A number of recent trends and events indicate that American schooling may be risking its image as a useful and powerful social force. Schools have abandoned programs which produce people capable of effort and accomplishment and adopted those aimed at making everyone feel good about their education.

"In a celebrated case, an award-winning math teacher was fired for handing out too many Ds and Fs," Shouse said. "Though her principal's primary complaint centered on protecting student self-esteem, a majority of students—including those who had received failing grades—strongly protested her dismissal. The students understood the difference between the

shininess and the actual value of the currency they receive in school."

In some cases, urban schools originally founded with strict academic standards have seen a sharp drop in scholastic standing over the past 25 years, yet the standards and expectations of coaches have remained uncompromising.

"Thus, one is thus not surprised to learn that students at these schools gravitate to where the standards of success are higher: the football field, the basketball court and to those few remaining classes and programs that respect them enough to push them toward academic excellence," Shouse said.

"Schools will improve in this country when they abandon feel-good strategies and put the stress back on what even students recognize as solid, marketable achievement," he said.

Researchers develop drug to fight brain cancer

The College of Medicine, in collaboration with the Food and Drug Administration (FDA), has licensed an anticancer immunotherapeutic drug to NeoPharm Inc., an Illinois-based biotechnology company. Researchers have developed the new protein that helps in the fight against brain cancer.

The new protein, IL13-PE38QQR, is a combination of interleukin 13, a protein found in the body, and a toxic bacterial protein, Pseudomonas exotoxin. The interleukin 13 penetrates a range of brain cancer cells. These cells are covered by receptor sites which accept the interleukin 13. However, when the interleukin 13 is combined with Pseudomonas exotoxin, it creates this new protein which kills the cancerous cells in the brain and does not harm the healthy cells. Investigators add that the work so far has been limited to a laboratory, but feel this work holds great hope for humans.

"There are several things that are important in fighting brain cancer. The treatment must be specific, the potency must be correct and the delivery system also is a key. We are very pleased to pioneer the transfer of such a new method of pharmaceutical therapy to industry," said Dr. Waldemar Debinski, assistant professor of surgery and director of tumor research. Debinski said this drug will be delivered through the skull by a needle and patients may be able to be awake during the procedure.

Dr. Raj K. Puri of the FDA is a co-inventor of the technology.

"This is designed primarily to fight brain cancer. However, I anticipate that it will be applicable to a range of different types of cancer," Debinski said. He hopes to begin human clinical trials within a year.

Debinski said it often can take about 10 years for such a drug to reach the public. However, based on his work so far, he believes the process may go faster, and the drug could reach patients within just a few years.

Local anesthesia may be better for sinus and nasal surgery

Annually, 200,000 sinus-related procedures are performed, costing about \$2.4 billion. Researchers at The Milton S. Hershey Medical Center have found that for many of these more simple nasal surgeries, local anesthesia was more useful for patients than general anesthesia.

"We wanted to establish parameters for patients undergoing common nasal surgical procedures, and we found clearly that several benefits to the patients came from local anesthesia," said Dr. Fred Fedok, associate professor and chief, Section of Otolaryngology.

The two-year study involved 177 patients and showed significant differences in the types and duration of many side effects, including nausea, vomiting, bleeding and overall time spent in the hospital after the surgery.

Fedok said quicker recovery times and fewer complications for patients who receive local anesthetic mean less use of services and lower costs.

However, Fedok said, even with these results, the anesthesia technique for a given patient should be carefully considered on an individual basis.

Institute to help discover non-lethal alternatives in conflict

A new institute dedicated to developing non-lethal technologies for defense and civilian law enforcement has been established at Penn State.

President Graham B. Spanier will formally announce establishment of the new organization at special inaugural ceremonies at 1:30 p.m. Friday, Nov. 21, in the auditorium of the Applied Science Building. Maj. Gen. Michael Williams, commanding general of the Marine Corps Systems Command, will also be on hand. The Marine Corps is leading the joint military forces team pursuing development and use of non-lethal alternatives. The inaugural ceremonies are open to the public.

The new institute is dedicated to developing multidisciplinary knowledge and the technology base needed for the creation and responsible application of non-lethal options for both military and civilian applications. The technologies are intended to be used as an adjunct to conventional means aimed at controlling conflict escalation and/or achieving conflict resolution.

Membership in the institute currently consists of Penn State organizations and faculty members with expertise applicable in these areas. In the future, membership will be expanded to faculty and staff members at other colleges and universities, government organizations and not-for-profit research groups. Businesses and industries are expected to participate as associate members.

Penn State's Applied Research Laboratory is responsible for operation of the institute. ARL, a Navy-sponsored research facility, has more than 50 years of experience managing defense and government programs.

Also participating in the ceremonies on Friday will be Edward G. Liszka, institute director, who will provide an overview of the new institute's activities. L. Raymond Hettche, Applied Research Laboratory director, who will serve as master of ceremonies, and state Rep. John E. Petersen, who will also offer comments.

Vanpool

Needed: People to join a vanpool from Philipsburg to University Park. Van arrives on campus at 7:30 a.m. and departs at 4:30 p.m. This would be ideal for people working 8 a.m. to 4:30 p.m. For more details either phone Doris at 865-0560 or e-mail her at dgh@psulias.psu.edu.



Mmmmmmm chocolate

Chesterann Bowman of Housing and Food Services prepares chocolate brownie layer cakes as part of a Chocolatefest celebration in the dining halls on the University Park campus. Chocolate, the subject of myth and legend for centuries, was first treasured by the Aztecs, who considered it the nectar of the gods.

Photo: Greg Grieco

A simple click checks weather for your area

TV or radio weather reports, which tend to be somewhat regional, leave true

On the Web

Want a weather update? Check this site at:

<http://mm5.mct.psu.edu/mm5/MM5data.html>

a click of a mouse.

The site at: <http://mm5.mct.psu.edu/mm5/MM5data.html> is a place where those interested in the weather across the state can get their fill. The weather model displayed at this location produces forecasts for a grid system of points every 20 miles. For the Philadelphia area, by moving the cursor only slightly, forecasts are available for Philadelphia, West Chester and other suburbs. In the southwestern corner of the state the choices are Pittsburgh, Sarver, Washington, Waynesburg, Uniontown, Greensburg and Somerset.

For those in the northwest, the Lake Erie shoreline is divided into areas and a quick flick of the mouse can show how far inland the lake-effect snow is likely to cover.

The Hometown Weather Web page can give temperature; relative humidity; wind speed and direction; precipitation; and barometric pressure for a 36-hour time span in three-hour intervals for each grid square. The model is operating in real time and so can provide up-to-date forecast information.

For people accessing the Internet via a telephone modem, the page may load slowly, but once the page is up, clicking anywhere on the map immediately opens the weather data for that location. Unfortunately, the page can only be viewed with a Java-capable net browser, such as the latest version of Netscape or Explorer and cannot be viewed by those using Windows 3.1 or less.

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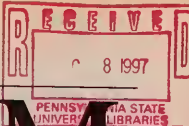
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Volume 27, Number 15

Governor to sign legislation clarifying tax status

Editor's note: As the *Intercom* went to press late Monday, the governor was expected to sign this legislation.

The Pennsylvania House of Representatives, following a similar vote in the state Senate, recently passed House Bill 55, which establishes that property owned by state-related universities such as Penn State is considered public property and is therefore tax exempt. The House vote was 194 to 0 and the

Senate vote was 47 to 0. The governor is expected to sign the bill.

While the courts have consistently ruled in Penn State's favor when the question of taxing the University has arisen, that has not stopped some entities from trying to impose taxes on Penn State's property.

"We are very pleased that this legislation once and for all clarifies our status," said President

Graham B. Spanier. "It will soon be a state law that is clear and unambiguous with regard to our tax status. Penn State is an instrumentality of the Commonwealth that serves the public good."

University officials were quick to note that Penn State fully intends to honor the current in-lieu-of-tax agreement that Penn State has entered with local governments in the State College area.

See "Tax status" on page 2

Location found for child care center at University Park

By LISA M. ROSELLINI
Public Information

Moving ahead with plans to provide access to quality child care, the University has identified a site on the University Park campus along East College Avenue where by 1999 a new child care center will stand.

"In keeping with an action plan we outlined in 1996, we have identified an on-campus space for a child care facility that will continue to meet the care giver needs of our faculty, staff and students, and support them and their families," said President Graham B. Spanier. "This facility should provide parents with an even wider range of child care options and the flexibility to continue their work and studies."

The new center, expected to accommodate 140 children, will replace some of the last vestiges of post-World War II housing erected on campus during the late 1940s. The prefabricated dwellings were built to alleviate a housing crunch caused by the influx of returning veterans who took advantage of the GI Bill of 1944. In 1946, Penn State experienced a record enrollment of 10,500 students



University child care

Katrina and Derek, children of University employee Annette Struble, play happily at the Child Development Laboratory in Henderson Building, one of four child care facilities currently operated by or affiliated with Penn State's University Park.

Photo: Greg Grieco

—55 percent of whom were veterans. The need for student housing, as well as faculty housing, was dire and the 76 units of Eastview Terrace, as the site is currently called, were quickly built.

Initially constructed for faculty and their families, Eastview Terrace was later converted to its current use

as residences for married graduate students. A little more than 35 of the original units are still standing. Some of these units may be removed as the project gets under way.

As part of the project, which is currently under design by the architectural firm of Keiran, Timberlake &

See "Child care" on page 3

Universities must tackle ethics issues head-on, expert says

By ALAN JANESCH
Public Information

Colleges and universities that discover unethical or unprofessional conduct among their research faculty—which can range from cutting corners to committing outright fraud—must publicly disclose the problems and ways of resolving them, an expert on research integrity told a Penn State Forum audience on Nov. 25.

"People read the messages of our actions," said C. Kristina Gonsalus, associate provost of the University of Illinois at Urbana-Champaign. "I think we have to send the right messages. We have to say what our standards are. We have to give people the tools for handling ethical questions."

Gonsalus, who is responsible for conflict-of-interest and academic integrity policies at Illinois, said higher education has to be accountable, learn to deal with unethical behavior on its own (without being compelled to by state or federal government), overcome its discomfort with responding forcefully to unethical behavior, and recognize that governmental regulation of unprofessional conduct is a response to research-related scandals.

See "Ethics" on page 2

Inside



Happy holidays

This is the last *Intercom* of 1997. We will resume publication on Thursday, Jan. 15. Deadline for submissions to that issue is noon Wednesday, Jan. 7.



Hands-on learning

Penn State Public Broadcasting is recruiting young researchers to do ground experiments much like those to be performed by faculty member James Pawelczyk when he blasts off aboard Space Shuttle Columbia in April 1998. For details, see page 7.

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University to fight school district over amusement tax

By LISA M. ROSELLINI
Public Information

University officials plan to go to court against the State College Area School District to protect the tax-exempt status of Penn State.

On Monday, Nov. 24, school board members voted to adopt an amusement tax that will impose a 5-percent fee on all forms of entertainment, diversions, sports and pastimes for which an admission of \$10 or more is charged, including Penn State football games. University officials say the move not only violates a 1992 tax agreement between Penn State and the school district, but is also unenforceable with regard to Penn State.

As an instrumentality of the state, the University is immune from local taxation, according to Gary C. Schultz, senior vice president for finance and business/treasurer for the University. Recent legislation (see page one) clarifying Penn State's tax-exempt status bolsters that position. The legislation, expected to be signed by the governor, outlines standards that charities and other non-profit groups must meet to qualify as tax-exempt. State-related institutions like Penn State are considered public property for purposes of taxation.

The school district's success at collecting an amusement tax from the University would nullify a 1992 tax settlement agreement among Penn State, five local governing bodies and the school district. Under the agreement, Penn State pays out about \$1 million per year in cash and in-kind services to Centre County, Ferguson, Patton and Harris townships, and State College Borough, plus the State College Area School District.

The agreement, which includes an inflationary clause, had previously been among six local governments and the school district, until April 1996 when College Township officials pulled out to enact a 5-percent amusement tax on events held at Penn State. At that time, University officials also challenged the validity of the tax and filed suit. That case was withdrawn after Penn State and College Township entered into an agreement which provided for Penn State to make impact payments related to non-university events held in The Bryce Jordan Center.

Earlier last month, school board members rejected an offer from Penn State to increase the total annual payment from the University to University-related properties from \$375,000 to \$490,000 — which represents the full local cost of educating children living in University housing. The University intends to honor the current tax settlement agreement with the five remaining local governments, but the school district will no longer be eligible to receive payments due to its attempt to impose and collect a tax on the University.

"We are disappointed that the school board has taken this action, particularly when Penn State made a generous and unprecedented offer to compensate

the school district fully for the cost of educating children living in University housing," said Stephen J. MacCarthy, director of University Relations. "There was no effort on the part of the school board to hold any kind of public hearing or discussion on the proposal. We had hoped to work out an amicable agreement with the district, but now we have little recourse other than the courts."

Schultz said court action is obviously not the route University officials had hoped to go, but all previous court cases relating to taxation have ruled in favor of the tax-exempt status of state-related universities.

"We continue to be committed to the importance of maintaining the tax-exempt status of Penn State," Schultz said. "Penn State brings many beneficial things to the community, some that cannot be quantified. The benefits to the local economy from one home football game alone are significant and cannot be discounted."

Amusing?

Under the school district's proposed amusement tax, concert tickets like these to the upcoming Kenny Rogers show would have an additional 5 percent added to the price.

The Board of Directors of the Chamber of Business & Industry of Centre County agreed and made a point of telling school board members — to no avail — in a Nov. 6 letter that it questioned "the prudence" of their actions to enact an amusement tax.

"We believe the enactment of such a tax would irrevocably impair what has been a very positive relationship between Penn State and the school district," the CBICC directors said. "A better course of action would be to continue to negotiate with Penn State during the remaining years of the agreement while receiving your annual payment."

Just a few examples of benefits Penn State provides that are not often taken into account include the community's use of Pattee Library, Recreation Building, the Intramural Building, the Palmer Museum of Art and other museums on campus, the playing fields, skating and tennis facilities, the Natatorium, speech and hearing clinics and the Stone Valley Recreation Area.

Tax status

continued from page 1

"We have said all along that we will honor the current agreement, and we intend to do that," said Gary Schultz, senior vice president for finance and business. "We want to be good neighbors and partners in this community."

The legislation, which is titled "The Institutions of Purely Public Charity Act," establishes that because state-related universities provide a direct public benefit and serve the public purposes of the Commonwealth, the property owned by state-related universities such as Penn State will be considered public property for purposes of taxation. This does not apply to University property leased to a for-profit enterprise. Penn State currently pays property taxes on commercial facilities on University land, such as the Hotel at the Penn State.

In addition to exempting the state-related universities, the bill also codifies the tax exemption for purely public charities, and outlines a set of five criteria to establish whether an organization is a public charity.

After the bill is signed by Gov. Ridge, it will go into effect on Jan. 1, 1998.

Ethics

continued from page 1

An attorney, Gunsalus used headlines and editorial cartoons from *USA Today*, *The New York Times*, *The Wall Street Journal*, the *Chronicle of Higher Education* and other publications to illustrate the changing concepts of accountability in higher education and a growing public wariness of research activities at colleges and universities. In response to academic and other pressures, Gunsalus said, research faculty sometimes feel compelled to look the other way when their colleagues behave unethically or unprofessionally.

"We have to be very clear and stand up and say it's not okay," Gunsalus said. "I think it's a problem, and I think we have to talk about it."

Penn State, Gunsalus said, "is a perfect example of a place where people are forthrightly grappling

Penn State, Gunsalus said, "is a perfect example of a place where people are forthrightly grappling with these (ethical) issues head-on."

with these issues head-on." But at other universities, she said, the tendency has been to keep things quiet and even to cover up unethical behavior. "When it was discovered that something went wrong," Gunsalus said, "the result was not what we call optimum."

Governmental regulations on ethical and professional behavior "are typically scandal-driven," Gunsalus said. Many of today's laws on the uses of human and animal subjects, scientific misconduct, conflict of

interest, use of hazardous substances and other related issues emerged in response to a 1966 *New England Journal of Medicine* article that listed 22 cases of unethical research. The author was "criticized severely for washing dirty laundry in public," Gunsalus said, but eventually Congress responded by holding hearings and passing laws to regulate research.

William Taylor, director of Penn State's Intercollegiate Research Programs, called Gunsalus's address "extremely interesting and insightful. To some extent she was preaching to the converted here, but it's just about impossible to overdo exposure to these ideas."

At Penn State, Taylor said, in addition to the full complement of "regulatory compliance apparatus" required by law, Penn State's policies are being continually revised, Taylor said, in order to cover new kinds of cases that may arise and also to respond to the current climate of "heightened awareness and high expectations" of ethical behavior in research.

Partings

Longtime professor in Smeal College earns emeritus status

Paul S. Greenlaw, has retired as professor emeritus of management in The Smeal College of Business Administration, after 30 years of service to Penn State.



PAUL S. GREENLAW

Greenlaw holds a Ph.D. in political science and public administration from the Maxwell School of Citizenship and Public Affairs, Syracuse University. He also holds a master's degree in history from Clark University and a bachelor's degree in history from Syracuse University. While at Penn State, Greenlaw taught classes in

personnel management, management science and personnel administration and personnel law. Before coming to the University in 1960, Professor Greenlaw served as instructor in political science at Duke University, management development specialist with the Kroger Co. and as director of management development for the Dayco Corp.

He was a pioneer in the development of educational business simulations for use in industry and in collegiate schools of business and co-authored several books on this subject: *Business Simulation* (Prentice-Hall International Series in Management, 1962); *MARKSIM: A Marketing Decision Simulation* (International Textbook Co., 1964); *FINANSIM: A Financial Management Simulation*, second edition (West, 1979); and *PROSIM: A Production Management Simulation*, second edition (Harper & Row). Along with Max D. Richards, Smeal professor emeritus of management, Greenlaw co-authored a general management text,

Management Decision Making (Irvin, 1966) and its revised edition, *Management: Decisions and Behavior* (Irvin, 1971).

Among his interests is the application of management science, information decision systems and the law to the field of personnel management. He has co-edited *Personnel Management: A Management Science Approach* (International Textbook Co., 1970). Greenlaw also wrote two other books on human resources issues, *Modern Personnel Management and Readings in Personnel Management* (W.B. Saunders, 1979). His most recent work in personnel management, co-authored with John P. Kohl, is *Personnel Management: Managing Human Resources* (Harper & Row, 1986).

Greenlaw has published articles in numerous professional journals, and has presented papers to scholarly and professional groups across the country. He is a member of the Academy of Management, Phi Beta Kappa, Phi Gamma Mu and Pi Sigma Alpha.

Research assistant retires from ARL

Francis G. Quinn, senior research assistant, has retired from the Applied Research Laboratory's Department of Systems Engineering. His career at the laboratory began in 1965, when he began working on underwater acoustics communications.

In support of ARL projects, he traveled all over the world — from the polar ice cap to the U.S. coastlines to the Caribbean, the Gulf of Mexico and the open oceans surrounding Norway.

Quinn, a Pittsburgh native, worked in the steel mills after graduating from high school until 1952, when he began a four-year tour of duty with the Air Force. In 1959 he completed his bachelor's degree in electrical engineering at the University of Denver. He became a senior engineer at Martin Marietta, Denver, and worked research and development instrumentation on the Titan missile. In 1967 he received his master's degree in electrical engineering from Penn State.

During his graduate studies, Quinn received a patent for the development of fiber-optic commu-



FRANCIS G. QUINN

nications. ARL presented him with an outstanding performance award in 1987, a technical contribution award with the Guidance and Control ATD team in 1992 and a technical contribution award with the Submarine Torpedo Defense Guidance and Control Team in 1993.

Quinn and his wife, Patricia, have three children and five grandchildren. His retirement plans include completing small building projects, collaborating with his son in artistic endeavors, and visiting family and friends.

EMS manager retires from 35-year career

James P. Breon, manager of meteorology technical facilities in the College of Earth and Mineral Sciences, has retired after 35 years of service. In his position, Breon supervised the maintenance and repair of the computer facilities for the department of meteorology and its various research sites. His area designed and used radar to measure various weather phenomena such as wind, acid rain and lake-effect snow storms. He traveled to many places including the Virgin Islands and Venezuela to carry out measurement programs with ground-based radar. As manager, Breon was responsible for hiring personnel and was proud of his staff's performance.

Breon started with the University in 1962 and since then has seen the technical facilities area grow rapidly.

"I've had an extremely interesting career," Breon said. "I was busy up until the last minute of the very last week. I enjoyed it immensely and liked what I did the whole time."

Child care

continued from page 1

Harris of Philadelphia, some of the graduate student housing may be replaced on the same stretch of land near the child care facility, while other graduate student housing is expected to be constructed at another location yet to be determined. That project should begin in 1999 and be completed by 2002. About 275 apartments will be built. The total cost of the graduate housing project is \$25 million, while the cost for constructing the child care facility is \$2.3 million.

"A primary goal of this project is to not only provide increased child care options on campus but to also improve graduate student housing conditions," said Charles Bruegebers, University architect. "These units have been on campus for more than five decades and are ready for replacement."

Bruegebers said the property along East College Avenue is also

"This facility should provide parents with an even wider range of child care options and the flexibility to continue their work and studies."

— President Graham B. Spanier

somewhat of a main gateway to the University Park campus, highly visible to vehicular traffic. An added bonus to the project will be the opportunity to improve the aesthetics of the area.

Linda Pierce, coordinator of Work/Life Programs in the Office of Human Resources, said child care facilities currently operated by the University include: Imagination Station near CATO Park (in partnership with the ARC of Centre County), which serves

21 children; Cedar Child Care on campus, which serves 85 children; and the Child Development Laboratory in the College of Health and Human Development, which serves 54 children. In September, the nearly 15,000-square-foot center known as Daybridge opened in Penn State's Research Park. The facility on University property, which can accommodate up to 200 infants to school-aged children, is operated by Children's World Learning Center, an outside provider.

Part of the plans for the new child care center on East College Avenue include creating a laboratory for multidisciplinary research and training at the undergraduate and graduate levels. Like the Child Development Laboratory in Henderson Building, the new center will allow observation of children and studies that benefit the well-being of children and expand the knowledge base of early childhood development, education and nutrition could be conducted. Internship experiences are also anticipated and, like the Child Development

Lab, this central campus child care facility will also provide training and teaching opportunities. Among the academic areas expected to benefit from the facility are the colleges of Health and Human Development, Education, Arts and Architecture, and the Liberal Arts and Continuing and Distance Education.

"This new facility will dramatically expand the educational and research opportunities for students and faculty in human development and family studies," said Barbara Shannon, dean of the College of Health and Human Development. "We are very pleased the University has chosen to move ahead with the construction of the center."

The Department of Human Development and Family Studies currently operates the Child Development Laboratory, which was the first program in Centre County accredited by the National Academy of Early Childhood Programs.

LECTURES

Three to talk on influence of philosopher at celebration

The University Libraries and the Dorothy Fochr Huck Chair for Special Collections will host a Kenneth Burke Centennial with an exhibit and a program of talks at 3:30 p.m. Friday, Dec. 5, in the Rare Books Room, W342 Pattee Library on the University Park campus.

Kenneth Burke (1897-1993), whose correspondence is housed in the Rare Books Room, was a philosopher of language and a prominent intellectual in literary criticism beginning in the 1920s. His criticism and theories had a major impact on many American writers and thinkers in the mid-20th century.

Three speakers will present talks on various aspects and influence of Burke's work: Professor Miriam Clark (Department of English, Auburn University) will talk on "The Poet Dreamer in the Scholar's House: Burke's Literary Friendships," Professor Richard Gregg (Department of Speech Communication, Penn State) will discuss "Kenneth Burke: Rhetorical Theorist as Futurist," and Professor Jack Selzer (Department of English, Penn State), will speak on "Oct. 19, 1923: A Great Date in History?"

For more information, contact the Rare Books Room at (814) 863-1173.

Role of higher education to be discussed on Dec. 9

"The Role of Higher Education in Community Development" is the topic of the Dec. 9 installment in the Current Issues in Business lecture series at the Penn State Harrisburg Eastgate Center.

Sponsored by the Penn State Harrisburg School of Business Administration, the noon presentation will feature Muk and Kulkarni, associate professor of finance and acting director of the school.

The presentation will help bring into focus several aspects of the role that higher education assumes in our society, as universities continue to play an integral part. But as costs for education rise, so does scrutiny of institutions. Points of discussion will

include the value of higher education; past trends in the cost of higher education; intangible benefits from colleges and universities; research versus teaching as mission for universities; faculty workload and their contributions to society; and the future.

Kulkarni was educated in India and the United States, where he earned his Ph.D. from the University of Kentucky. He teaches corporate finance and financial institutions to graduate and undergraduate students and also supervises graduate research.

The business lecture is free to the public. To register, contact the Eastgate Center, 1010 N. Seventh St., Harrisburg, at (717) 772-3590.

Forestry lecture examines preservation policy

Alston Chase, author of *Playing God In Yellowstone: The Destruction of America's First National Park*, will present Penn State's School of Forest Resources Distinguished Lecture, "Is U.S. Natural Resource Preservation Policy Based on a Mistake?" at 7 p.m. Tuesday, Dec. 9, in 102 Thomas Building on the University Park campus.

The lecture is open to the public. For additional information, call Caren Glottfelty at (814) 863-2506 or e-mail: ceg12@psu.edu.

The School of Forest Resources Distinguished Lecture is sponsored annually by The Glatfelter Pulp Wood Co. Chase's lecture will describe how federal environmental policies have centered on returning forests to a "Garden of Eden" ideal that may be impossible to achieve.

Chase is currently a visiting senior fellow in natural resource policy at Harvard University's Kennedy School of Government, where he leads seminars on the Endangered Species Act and how media outlets cover environmental issues. He also is a lecturer and syndicated newspaper columnist on the environment. He is a contributing editor to *Outside* and *Conde Nast Traveler* magazines.

Colloquium focus is biotechnology and the environment

Burt D. Ensley, president and CEO of Phytotech Inc., will speak on "Challenges and Opportunities in the Application of Biotechnology to Environmental Problems" in the Life Sciences Consortium's Colloquium on Dec. 9. The colloquium will be videoconferenced from 101 Thomas Building to Room L-3621 at The Hershey Medical Center and to several other campus locations at 4 p.m.

Ensley has been the president and CEO of the biotechnology company since 1993. He is involved in the development and commercialization of plant biotechnology used for the remediation of contaminated soil and water.

During his career, he has been responsible for directing research, field demonstrations and evaluation of biological and physical/chemical hazardous waste treatment technologies.

Analysis of biochemical networks planned Jan. 13

Toni Kazic will speak on "Steps to an Integration of Functions and Genomes: Analysis of Biochemical Networks" at the Jan. 13 Life Sciences Consortium Colloquium. The colloquium will be held in 101 Thomas Building and videoconferenced to The Hershey Medical Center room L-3621 and to several other campuses at 4 p.m.

Kazic is on the faculty of the Institute for Biomedical Computing of Washington University, a joint research enterprise of the engineering and medical schools of that university. Trained chiefly as a bacterial geneticist and molecular biologist with heavy biochemical emphases, she worked on purine biosynthesis, DNA repair and deletion formation in *Escherichia coli* while her interests in computational biology subconsciously developed.

In 1989 she switched her primary research technique from laboratory to computational experimentation, and has been active in the development of representational methods and databases appropriate for the description and analysis of biochemical function. Her current research interests focus on the analysis of cellular biochemistry and the computational and analytical tools this requires.

Learning Colloquy IV brings students and faculty together

Learning Colloquy IV, "Interactions Between Faculty and Students to Intensify Learning and Improve Teaching," will be held at University Park at the Penn State Conference Center Hotel on Jan. 9. The latest in the provost's series, this colloquy provides an opportunity for faculty and students to discuss current issues in teaching and learning and is part of a continuing effort to increase the quality of education at Penn State.

A special emphasis in this colloquy is the participation of 49 departmental teams that will discuss teaching and learning with colleagues across the University and apply what they learn to their own disciplines. The daylong conference follows Winterfest 1998, a week of workshops on tech-

nology and teaching sponsored by the Center for Academic Computing, from Jan. 5-9.

Four years ago, the first Learning Colloquy was initiated by John A. Brighton, executive vice president and provost. Its theme, a proposal to increase active and collaborative learning, led to the founding of the Schreyer Institute for Innovation in Learning. Subsequent colloquies have strongly advanced the themes of active learning, teamwork and assessment.

In keeping with this theme, the event will emphasize peer-oriented approaches, with faculty and students working to help each other. Sessions will feature related topics such as:

— peer mentoring;

— gains in learning via the use of technology;
— teaching the first-year seminar; and
— techniques to promote collaborative learning.

There will be no formal presentations, only conversations. In fact, a room is reserved for open discussion of other topics that faculty wish to discuss.

There has already been a large response to the invitations for Learning Colloquy IV, but space may still be available for those with strong interest.

Anyone with questions or seeking more information, should call or send e-mail to Jane C. Andrews, coordinator of the event, (814) 863-4262 or jca4@psu.edu.

REMEMBERING MARTIN LUTHER KING JR.

Full schedule of activities planned for Jan. 19

Penn State will celebrate the Martin Luther King Jr. holiday on Monday, Jan. 19, with a keynote address delivered by Yolanda King, a week of commemorative activities and a year-round focus on community service.

The oldest child of Dr. Martin Luther King Jr. and Coretta Scott King, Yolanda King has participated in numerous civil and human rights demonstrations and has spoken before countless religious, educational, civic and human rights groups. She graduated with honors from Smith College with a B.A. in theatre arts and African-American studies. She earned her M.F.A. in theatre from New York University and performed in several showcase and off-Broadway productions.

YOLANDA KING

King will speak on the topic of the arts as a means of stimulating and altering hearts and minds — challenging the forces working against civil rights.

"The theme 'Communities Embrace Diversity' is particularly appropriate as a metaphor for highlighting the significance of Dr. Martin Luther King's life and philosophy for contemporary efforts to build a multicultural society," James B. Stewart, vice provost for educational equity and chair of the commemoration planning committee, said. "King's image of a multicultural society involved communities of peoples from different backgrounds working together to improve the situation of all."

Scheduled events on the University Park campus include:

— Thursday, Jan. 15, at 6 p.m.: The Forum on Black Affairs dinner at the Penn State Conference Center Hotel.

— Thursday, Jan. 15, at 12:30 p.m.: Dance, Drama and Song in the Hetzel Union Building.

— Friday, Jan. 16, at 12:30 p.m.: Dance, Drama and Song in Kern.

— Monday, Jan. 19, at 12:30 p.m. in East Halls and 1:30 p.m. in the Paul Robeson Cultural Center: Dance, Drama and Song.

— Monday, Jan. 19, at 11:30 a.m.: Commemorative Bell Ringing Ceremony in Old Main Lobby.

— Monday, Jan. 19, at 7:30 p.m.: Yolanda King, daughter of Dr. Martin Luther King Jr., the Voices of Joy Choir and the NOMMO Performing Arts Company in Eisenhower Auditorium; admission is free.

— Monday, Jan. 19, at 12:30 p.m. in East Halls and 1:30 p.m. in the Paul Robeson Cultural Center: Dance, Drama and Song.

— Monday, Jan. 19, from noon to 4 p.m.: Food Bank of the State College Area Service Project.

— Monday Jan. 19 (morning), Wednesday, Jan. 21 (evening) and Saturday, Jan. 24 (morning): Mid-State Literary Council Service Project.

— Monday, Jan. 19, Wednesday, Jan. 21, and Sunday, Jan. 25 (afternoon): Penn State Housing, University Apartments Service Projects.

— Tuesday, Jan. 20, from 11 a.m. to 3 p.m.: Volunteer Fair with local agencies and organizations represented in the HUB Ballroom.

— Tuesday, Jan. 20, at 7 p.m.: Volunteer Centre Celebration and presentation of the 1998 Ann Cook Award for Outstanding Community Service at The Nittany Lion Inn. Tickets are \$25 per person and can be purchased from the Volunteer Centre; phone (814) 234-8222.

— Wednesday, Jan. 21, from 10 a.m. to 4 p.m.: Student Involvement Fair with student organizations represented in the HUB Ballroom and Fishbowl.

— Wednesday, Jan. 21, at 7:30 p.m.: "Affirmative Action: Neither Black Nor White," presented by Frank H. Wu, associate professor, Howard University School of Law in the Eisenhower Chapel Memorial Lounge.

— Friday, Jan. 23, from 10 a.m. to 9 p.m.: Community Volunteer Fair in the Nittany Mall will be staffed by representatives of 50 human service and Centre County service organizations.

The banquet also will feature musical performances by Christopher Byrne on saxophone, vocal soloists Terri Dowdy, Sandy Vactor and Jason and friends.

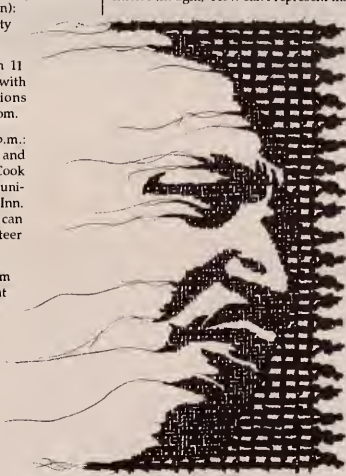
Tickets are \$20 for adults and \$10 for children (12 and under), or \$210 for a reserved table of 10. Any proceeds from the event support student scholarships. For more information, contact Grace Hampton at (814) 863-5408, or by e-mail at gkh2@cde.psu.edu.

Student weaves diversity into top poster design

By KAREN WAGNER
Public Information

The theme of this year's Martin Luther King Jr. celebration, "Communities Embrace Diversity," was captured in rich, metaphorical detail by Penn State student Erik Harrison, who created the winning design. Harrison's image features Dr. King's profile against a backdrop of criss-crossing threads.

"I used the image of the threads and knots coming together to represent different groups of people coming together," Harrison, a senior majoring in photography and graphic design, said. "In researching Dr. King and the imagery of the era, I was impressed by the people coming together for marches in the cities. I thought, 'How can I represent that bond?'"



COMMUNITIES EMBRACE DIVERSITY

That's when I got onto the theme of tapestries and weaves as a metaphor to represent people rallying behind a common ideal."

Harrison is the son of Ian Harrison, Penn State professor of polymer sciences, and Charlene Harrison, director of Adult Learner Services, also at Penn State. After graduating with his B.F.A., Erik plans to tag along with his father on a four-month Fulbright teaching fellowship in Thailand — taking his camera and 40 or 50-some rolls of film.

But, Erik credits his mother for developing his appreciation of art.

"Growing up, mom was always taking me over to the Palmer Museum. When I started

college, I took an introductory art class and something clicked. There's something very exciting about the mix of words and time, visual and verbal. It's more than photography. It's more than art — it's communication."

In his spare time, Erik enjoys rock climbing. For the past four summers he has climbed at Yosemite, Yellowstone and other national parks. His photographs have been published in *Rock and Ice* magazine.

Erik's design was chosen as part of a poster project for a senior design class. Earlier this fall, Robert Leonard, professor of theatre arts and a member of the Martin Luther King Jr. Planning Committee, worked with the committee to develop the theme. Professor of art Lanny Sommese had students in his senior design class work on poster designs. Designs from the five runners-up will be featured in an exhibit at the Paul Robeson Cultural Center. Erik's design will appear on posters, buttons and flyers later this month as part of Penn State's Martin Luther King Jr. celebration.

Annual banquet to share MLK teachings

The Forum on Black Affairs will share the teachings of Martin Luther King Jr. during its 23rd Annual Memorial Banquet on Thursday, Jan. 15, at 6 p.m. in the Penn State Conference Center Hotel on the University Park campus.

The program will feature readings by Penn State faculty, staff and students and local community members, excerpted from King speeches and accompanied by inspirational music.

Private Giving

Mont Alto receives \$500,000 scholarship gift

Penn State Mont Alto has received the largest scholarship endowment gift in its 96-year history. The \$500,000 cash gift was donated by Drs. Albert and Lorraine Klugman to fund the Albert and Lorraine Klugman Endowed Scholarship for Returning Adult Students. This new scholarship will be awarded beginning fall 1998. Each year, a portion of the return on the endowment will be distributed among recipients identified by the Penn State Mont Alto Scholarship Committee. To be eligible, students must be enrolled or planning to enroll as a full- or part-time Mont Alto student in an associate or baccalaureate degree program. Eligible students also must manifest promise of outstanding academic success and have a proven financial need.

"We are deeply touched by the gift and the generosity of Albert and Lorraine Klugman. Financial aid legislation is written to help traditional-aged college students," said David Goldenberg, campus executive officer. "This gift is truly directed at the community because it is earmarked for the non-traditional student, and will enable members of this community to gain access to a Penn State degree."

Dr. Albert Klugman attended Penn State Mont Alto in 1935-36 on a forestry scholarship and was the first in his family to attend college. He graduated from Penn State in 1939 with a bachelor of science degree in botany, and went on to receive a Ph.D. in botany and a doctorate of medicine from the University of Pennsylvania. He currently serves as emeritus professor of dermatology at the University of Pennsylvania, School of Medicine, the director of the Aging Skin Clinic, and attending

physician at the hospital of the University of Pennsylvania. Klugman is internationally known as the inventor of Retin-A, the so-called "anti-wrinkle cream" widely used for acne and photo-aged skin. When he was a resident, Klugman discovered the simple test that all doctors now use to diagnose fungus disease on the skin and nails. Dr. Lorraine Klugman is an associate research professor at the University of Pennsylvania, School of Medicine in the Department of Dermatology. She completed the first series of studies to show precisely how sun damages the skin.

With the addition of the Klugman's gift, Penn State Mont Alto's campus-based scholarship fund now totals more than \$1 million in active endowments and will award more than \$50,000 to Penn State Mont Alto student in fall 1998.

Football scholarship allows funds to be used for other student-athletes

A scholarship for Penn State tailbacks named in honor of Lenny Moore and Bud Rowell has been endowed with a gift of \$250,000 from Penn State alumnus and football letterman L.J. "Bud" Rowell Jr. and his wife, Carol, of Berwyn, Pa.

The Lenny Moore/Buddy Rowell Endowed Scholarship for Tailbacks will be awarded annually to an outstanding student-athlete with financial need who demonstrates skill in the position of football tailback.

"By fully endorsing this position, the Rowells have enabled us to redirect funds originally designated to the football program to fund scholarships for Penn State's 28 other varsity sports," said Tim Curley, athletic director. "A gift to endow and name a position is, therefore, a gift to the total Penn State athletic program that increases the diversity and excitement of all our sports."

The University invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income is returned to the principal to protect it from inflation.

Rowell and Moore were teammates on the football squad in the early 1950s. Moore went on to become a National Football League Hall of Famer.

He resides in Randallstown, Md., and works as a program specialist with the Juvenile Justice Administration in Baltimore.

Rowell was born in Cleveland and later lived in Paoli. A 1955 graduate in hotel administration, he retired as chairman, president and CEO of the Provident Mutual Life Insurance Co., in Philadelphia, in 1996. He also worked with the Mutual Life Insurance Co. of New York and served in the U.S. Marines.

He is a Penn State Trustee and chairman of the Intercollegiate Athletics Committee for the University's upcoming capital campaign. He also has supported the planned Penn State Athletic Hall of Fame Museum, The Bryce Jordan Center and The Smell College of Business Administration's Department of Insurance and Real Estate. He is active with the American Red Cross, the Boy Scouts of America and the United Way in southeastern Pennsylvania.

Rowell has four varsity letters and an Athletic Alumni Award to his credit. He received an Alumni Fellow Award jointly from The Smell College and the College of Health and Human Development in 1987 and a Distinguished Alumnus Award in 1988.

Alumni couple donates \$125,000

A gift of \$125,000 from Penn State alumni Richard and Susan Sokolov, of Boardman, Ohio, has endowed two new scholarships for student-athletes participating in women's basketball and volleyball.

The gift is divided evenly between the Richard and Susan Sokolov Family Endowed Women's Basketball and Endowed Women's Volleyball Scholarships, which will support academically talented undergraduate students on the teams with financial need.

Richard Sokolov is president and chief operating officer of the Simon DeBartolo Group, the largest real estate company in North America. He earned his bachelor's degree in psychology from Penn State in 1971, and his juris doctorate from Georgetown University in 1974. Susan Sokolov earned her bachelor's degree in secondary education in 1971 and her master's degree in counselor education in 1972, both at Penn State.

After work with the Weinberg and Green law firm in Baltimore, Md., Richard Sokolov joined the Edward J. DeBartolo Corp. in 1982 as vice president and general counsel. He became president and CEO of the DeBartolo Realty Corp. in 1994, and assumed his current position when the corporation merged with the Simon Property Group Inc., in 1996. The combined group maintains a portfolio of 118 regional shopping centers in 33 states.

Sokolov will serve as a member of the volunteer committee that will lead fund raising for Intercollegiate Athletics in Penn State's upcoming capital campaign. He is active with the Mahoning County (Ohio) United Way, and formerly served with the Penn State Great Lakes Regional Development Council.

Couple endows rugby program

A gift of \$247,500 from Jim and Susan Mathias of Lewisburg, has created an endowment to aid the long-term development and growth of Penn State's men's and women's rugby teams.

Jim Mathias is president and chief operating officer of the JPM Co., an international manufacturer of cable assemblies for the computer and telecommunications industries. Although never a Penn State student, Mathias played rugby with a mixed club at the University Park campus in the early 1980s, before a full-fledged student club began in 1986. He is a member of USA Rugby's National Technical Panel and coaches the women's rugby team at Bucknell University in Lewisburg.

"We made this gift to boost Penn State's program to its next level of excellence and to reward it for remaining consistently competitive on a national level," Mathias said. "An endowment of this sort will do much more good at Penn State, which has a very blue collar program, than at other institutions. We love this sport, and with its 'everyone plays' philosophy, rugby presents tremendous opportunities for a much larger group of collegiate athletes to become involved."

The University invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income is returned to the principal to protect it from inflation. Expenditures from the Mathias endowment will be distributed equally among the men's and women's teams, to cover such expenses as travel and equipment.

The Women's National Collegiate Championship for rugby, held at the University Park campus last May, ended in a national championship for the Penn State women's squad. The men's team has appeared in the final four of the national championships the last four years in a row and has won the Allegheny Rugby Union Championship an unprecedented 18 consecutive years.

■ PENN STATE IN SPACE

Show involves audience in space research

Editor's note: The following story is one of several planned for Intercom to focus on James Pawelczyk, Penn State's first faculty member to go into space.

By ANNEMARIE MOUNTZ
Public Information

When Payload Specialist Jim Pawelczyk, assistant professor of physiology and kinesiology, blasts off into space on Space Shuttle Columbia's NeuroLab mission next April, ground-based control experiments will already be completed by a legion of young, yet-to-be-named volunteer scientists.

This group of young researchers won't be found in any college or corporate laboratory. None was even born when Columbia was first launched April 12, 1981, beginning the era of space shuttle flight.

They'll become involved in Columbia's latest mission through "What's in the News," a current-events program produced by Penn State Public Broadcasting and targeted to fourth- through sixth-grade classrooms. For the second time in two years, Katie O'Toole, writer and host of the program, and Kimberlie Kranich, WPSX-TV producer/director, are involving the show's audience in an out-of-this-world project.

When the next episode airs (Friday, Dec. 5, and Monday, Dec. 8, in State College), O'Toole will invite

viewers to participate in four science experiments that correspond directly to experiments Pawelczyk will do on the NeuroLab shuttle mission. The experiments will be centered on research into the effects of weightlessness on the nervous system and should advance understanding of earth-bound conditions such as Alzheimer's and Parkinson's diseases.

Viewers can obtain a free experiment kit by calling (888) 367-WITN. As they complete the experiments they'll record their results and mail them back to the "What's in the News" studio at WPSX-TV on the University Park campus.

Pawelczyk has been involved in the project from the very beginning.

"As soon as we contacted Jim, he was immediately very enthusiastic," O'Toole said. "He started describing some of the experiments he was going to be doing."

Kranich recently went to Houston to meet with Pawelczyk.

"For the mission, he has to learn 26 experiments," Kranich said. "Together we identified four of those experiments for which we can make parallel ground experiments."

They also tapped Pawelczyk in the training mock-up of NeuroLab during introductions to the experiments and explaining what he's going to be doing on the mission and why.

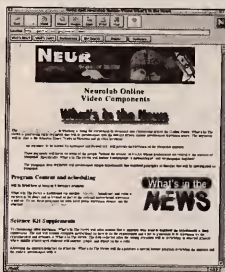
"He has a real knack for putting things into kids' terms," O'Toole said. "Even though he is a scientist, he has a really good way of explaining things in a way that kids can understand so they get excited about what's going on."

"What's in the News" is producing eight segments to be incorporated into the weekly series. The first segment, with Pawelczyk as host, will provide an overview of the NeuroLab mission. Three segments will focus on some of the people behind the



Tape's rolling

Kimberlie Kranich, WPSX-TV producer/director, left, interviews a member of the NASA ground crew in Houston for the "What's in the News" series on the NeuroLab mission.



Check it out

The Ames Research Center's NeuronOn video page can be accessed at <http://quest.arc.nasa.gov/neuron/video/index.html>.

scenes at NASA whose professions are critical to the success of NeuroLab. The remaining four segments will demonstrate the experiments included in the kits. The behind-the-scenes segments focus on a nutritionist, a meteorologist and an aerospace engineer.

"We did this show so that people can become involved in the space program without becoming astronauts," Kranich said. "Few people become astronauts. Jim's not an astronaut, he's a payload specialist. He'll go up into space once, and then he's done."

Pawelczyk involved the other three mission specialists from the upcoming NeuroLab flight in the "What's in the News" project. Each has chosen a school to tabulate, interpret, chart and graph the data sent to "What's in the News" from viewers completing the experiments.

Howard Pillot's science class in the Park Forest Middle School in State College is one of the four chosen.

"Our kids will get to do all the experiments. When the data is sent back to the show, we will get the results from one of the four experiments," Pillot said. "Our students will tabulate the data, interpret it and form some conclusions. Then we'll put the data into charts and graphs, and share them with WPSX."

In the final show of the season, "What's in the News" will compare the results of the experiments on the shuttle flight to what the students did on the ground.

"The success of last year's project showed there was an appetite in the classroom for this sort of thing, and it's a good way to get kids involved in the space program," O'Toole said. "They're actually part of the control group on the ground for the shuttle experiments."

In last year's project, the State College Area School district put together an experiment on diffu-

sion that went up on the shuttle, and "What's in the News" viewers got to do the same experiment on the ground. Pillot's students were involved in that project, and the teacher jumped at the chance to participate in a shuttle project this year.

"We're going to be doing a unit on exploring space and matter," Pillot said. "Any connections we can make with real space flight is a bonus. Learning comes alive for the kids. It's great to be able to turn on the TV and see the astronauts and know you have a connection to what they're doing. It's a powerful motivator for our students."

Both O'Toole and Kranich expect high viewer participation.

"We hope that this will make science fun for the students and that many of our viewers can participate because you don't need a lot of complicated equipment. The kits explain the science behind the experiments. There will be guides for the teachers so they can take it further. We'll provide them with all the information they need to understand why the astronauts are doing this and how it relates to what they're doing on the ground," Kranich said.

Participation is not limited to formal classrooms. "We found that last year, many of our requests came from home schoolers who had kids of all different ages. We'll have 1,000 kits and we'll send them to anyone who requests one, until we run out of them," O'Toole said.

"What's in the News" is seen in 30 states and has an audience of between 3 million and 6 million viewers. Roughly a third of all schools nationwide that teach grades four to six watch it in the classroom.

"But there are probably a lot of other schools that would be interested in this that aren't our clients," Kranich said.

The solution to reaching them is a collaboration with the Ames Research Center, which has set up a Web site for the NeuroLab mission. The site includes a video section, <http://quest.arc.nasa.gov/neuron/video/index.html>, which explains the "What's in the News" project and will make available a tape of the show's NeuroLab segments. The site also will include descriptions of the experiments, and includes a link to the "What's in the News" Web site, <http://www.cde.psu.edu/EdComm/WITNueeb/>.

Faculty/Staff Alerts

Winter snow regulations

Winter has returned and so have winter parking regulations. The following regulations are in effect for University Park.

There is no parking in any surface parking lot at University Park from midnight to 7 a.m. if snow has fallen. The regulations do not specify a minimum amount of snow because the Office of Physical Plant may need to scatter anti-skid material only. The lots need to be empty to assist in this process.

Vehicles which need to remain overnight should move to one of the parking garages: Eisenhower Deck, Nittany Deck or HUB Deck. They may remain in those structures until 8 the next morning regardless of the permit issued.

Departments also should ensure that department vehicles are moved to the structures. Any vehicle remaining in a lot means it takes more time to remove snow and that the snow cannot be removed properly.

For more information, call Doug Holmes at (814) 863-0164.

Festival of Trees

Once again the Agricultural Arena on the University Park campus will be the site of a holiday tree display that, this year, will include 100 decorated trees.

From Dec. 11-15, visitors can view the trees decorated by local businesses, families, groups and schools from within the community. Open from 11 a.m. to 8 p.m. daily, the five-day event will also feature entertainment at various times of the day, a craft sale and show, and a holiday tree sale. There is no admission charge, but donations are welcome. Visitors also can vote on their favorite tree. Proceeds from this event, sponsored by the Centre County Convention and Visitors Bureau and the Penn State Forestry Society, go to Centre County United Way. Last year, about \$2,000 was raised for the United Way.

Spanier's call-in show

The role of intercollegiate athletics in American higher education is the subject of the next edition of "To the Best of My Knowledge," President Graham Spanier's monthly call-in program on public radio station WPSU-FM (90.1, 91.5 & 106.7). It airs on Thursday, Dec. 18, at 7 p.m.

Joining Spanier in a discussion of such topics as academic standards for athletes, gender equity and

the commercialization of college sports will be Jim Delany, commissioner of athletics for the Big Ten Conference, and Tim Curley, director of athletics at Penn State.

Central Pennsylvania residents with their own recommendations for improving intercollegiate athletics—or who simply have a question for Spanier and his guests—are invited to call 1-800-543-8242 during the one-hour program. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/jr/tech/tech.html>; and they will be able to contact the president via e-mail to: response@psu.edu.

Hosted by Patty Satalia, "To the Best of My Knowledge" is a series designed to explore topics of concern to higher education and to allow listeners a chance to communicate directly with Penn State's president.

"Depressed" people needed

Most people feel depressed at some time or another in their life, but some experience major depression. A study designed to help people with this problem currently is being conducted. You may be experiencing major depression if you:

- Feel depressed most of the day, nearly every day;
- Experience a marked decrease of interest and pleasure in almost all activities;
- Feel fatigue or loss of energy most of the day;
- Feel worthless or excessive guilt; or
- Feel a decreased ability to think or concentrate.

If you believe you are experiencing major depression and would like to be considered for a study being conducted by the Department of Psychology, please call Charles Hines at (814) 863-4833.

Subjects (ages 18-55) included in the study will receive 12 to 20 free sessions of individual psychotherapy, either immediately after being assessed for depression or 12 to 20 weeks later.

Subjects also will be asked to complete various questionnaires during and after treatment. A brief telephone interview will help with a preliminary determination of the suitability of this treatment for you. If you cannot be included in this treatment, alternate referral suggestions will be made.

Strictest confidentiality is maintained. The principal investigator on this study is Louis Castonguay, assistant professor of psychology.

University Park to offer meningitis immunizations

University Health Services will offer vaccinations against meningococcal meningitis, a very serious, contagious infection, at a clinic at the University Park campus on Wednesday, Dec. 10.

Although immunization against this disease is not usually given to the general public, the American College Health Association (ACHA) has just issued a recommendation that college students consider getting vaccinated. ACHA, which is a national nonprofit organization serving and representing the interests of professionals and students in health and higher education, does not recommend the vaccine for adults over age 30, as they are rarely afflicted by this infection.

Meningococcal meningitis is a bacterial infection that causes inflammation of the membranes surrounding the brain and spinal cord. Outbreaks of meningitis tend to occur in relatively isolated or confined environments. The disease is transmitted through the air via sneezing or coughing and direct contact with infected people. Because college students often live in close quarters, such as residence halls or fraternity houses, they have an increased risk of meningococcal disease.

At Penn State's University Park campus, there were two cases last year and one Penn State student died as a result of the disease. There has already been one case of meningococcal meningitis this fall.

University Health Services will provide the vaccine at cost to University Park students during the vaccination clinic from 11 a.m. to 3 p.m. in the HUB Main Lounge. The cost of the vaccine is \$55, which can be billed to a student account. The vaccine has few side effects and is generally effective for three to five years. The vaccine also will be available by appointment at the Immunization Clinic in Rittenour Building. Students may call (814) 863-9882 to schedule an appointment.

For more information, students and families are encouraged to visit the University Health Services Web site at <http://www.psu.edu/UHS>. If you have additional questions, call the advice nurse at (814) 863-4463 or contact UHS via the "Advice Line" link at (<http://www.psu.edu/UHS/doc.html>). Flu shots also will be offered at an additional cost of \$10.

New at Penn State

Berks, Albright College begin joint residence life program

This fall, 21 Penn State Berks students moved into Albright College's residence halls as part of a new joint residence life program between the two institutions.

Berks campus residence halls were filled to capacity at 390 students and some vacancies in Albright's residence halls which house 972 allowed the two institutions to make the mutually beneficial arrangement. Students pay Penn State Berks tuition and Albright room and board, and have access to everything both institutions have to offer, from activities to clubs to sports.

"I know of no other similar housing arrangement where students literally have two college environments to experience for the price of one," said Blaine Steensland, director of student affairs, Penn State Berks-Lehigh Valley College. "We are constantly monitoring our students reactions to this unique living situation."

Additional residence hall construction at Penn State Berks is slated for 1999. Penn State Berks and Albright College are also currently exploring a partnership that would allow the sharing of programs and faculty. This could serve as a model for public/private partnerships in higher education.

Commencement set for Dec. 21 at University Park

Penn State will hold 1997 Fall Commencement ceremonies for the University Park campus on Sunday, Dec. 21. Undergraduate and associate degrees will be awarded at 1 p.m. in The Bryce Jordan Center. Graduate degrees will be awarded at 4 p.m. in Eisenhower Auditorium.

A total of 2,524 baccalaureate degrees and 12 associate degrees will be conferred by President Graham B. Spanier. The speaker will be Peter G. Glenn, dean of The Dickinson School of Law.

A total of 446 master's degrees and 207 doctoral degrees will be conferred by Executive Vice President and Provost John Brighten. The speaker will be Harry Alcock, Evan Gluck professor of chemistry.

Courses

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs on the University Park campus, complete the registration form found in the back of the fall HRDC catalog, and fax to (814) 865-3522.

■ **Did You Hear That? COM 041**—Increase your listening potential by developing effective skills through practice. Dec. 15, 1:30-4 p.m., 319 Rider Building. Cost: \$44.

■ **What's Going Wrong, Dilbert? LDR 067**—This lighthearted program with serious lessons explores common pitfalls in today's work environment and how supervisors can make changes for the better. Dec. 16, 1:30-4:30 p.m., 319 Rider Building. Cost: \$44.

■ **Adapting Work Processes to Manager Change, LDR 055**—Discover how to keep your organization operating successfully by continuously adapting work processes to ever-changing conditions. Dec. 18, 8:30-10:30 a.m., 319 Rider Building. Cost: \$29.

■ Outreach

Cooperation breeds success at incubator

By BARBARA HALE
Public Information

When Pat Conway, president of the Chamber of Business and Industry of Centre County (CBICC), talks about the new little companies in the CBICC's Business Incubator in Penn State's Research Park, he's so full of pride and enthusiasm that you almost expect him to start passing out cigars. Conway's new-dad-like demeanor even extends to pointing out that helping start up companies to grow — like helping children to grow up — requires lots of community support. It takes broad community effort, in Conway's view, to commercialize ideas and projects, create jobs and encourage economic growth by launching new businesses. That's why, he says, the chamber's "synergistic" relationship with Penn State is so important to the county's business incubator program.

On a formal basis, Penn State and the chamber share the condo that houses the incubator. The Technology Building in the Research Park is owned jointly by the University and the chamber and houses the incubator on the second floor. But more important than the condo, Penn State and the chamber share a vision and a win-win approach that results in reinforcement of each other's new company development efforts, according to Conway.

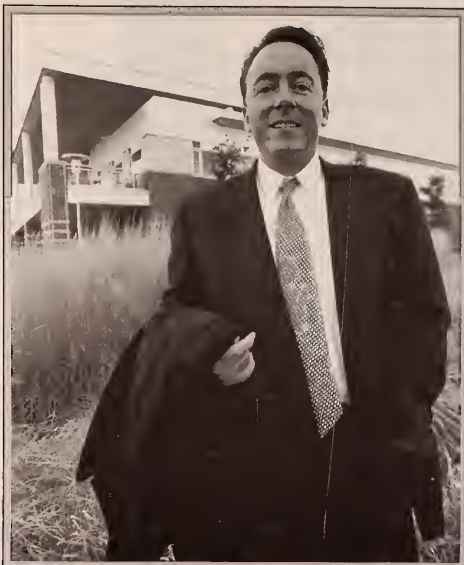
"For example, we start up companies in the incubator and then move them out as soon as possible to free up space for the next entrepreneur," Conway said. "The graduating companies can move to space in the University's Research Park or, if they aren't geared to high technology, they can go to our property, Penn Eagle Industrial Park, which is geared to manufacturing and assemblies."

"We also support one another in recruiting established companies for our respective industrial parks," Conway said. "Since our parks accommodate different types of customers, we don't compete. We provide a nice fit."

But Conway is quick to add that the chamber can't claim credit for planning out this mutually beneficial partnership in advance.

"After all, the chamber's industrial park was started more than 20 years ago," he said. "But dialog and communication has certainly helped as well as being co-located. Having President Spanier, Gary Schultz (University treasurer and senior vice president for finance/business) and Art Heim (Penn State Industrial Research Office director) on our board of directors also opens up communication and helps the chamber and the University coordinate planning for economic development in the county."

Heim said the University has a stake in the chamber. Likewise the



Pat Conway is president of the Chamber of Business and Industry of Centre County.
Photo: Greg Grieco

CBICC president wants continued collaboration

Pat Conway, president of the Chamber of Business and Industry of Centre County, wants to reach out to the University community and encourage faculty, staff and students who are thinking about becoming entrepreneurs to turn to the chamber for assistance.

"We've been focusing primarily on those who have high technology ideas but we're not limited to those areas," he said.

Conway said graduate and undergraduate students can become involved in the incubator through internships.

"Maybe some of them would like to become entrepreneurs and stay here in Centre County."

Business development services provided by the chamber include: access to financial institutions and state economic resources; a "foot soldier network" of 100 professional around the county committed to helping companies grow, including business executives, bankers, accountants and attorneys; an affiliate program for non-incubator tenants; "Business-in-a-Box," a set of written materials with information on taxes, wages, record keeping and public relations; and assistance finding the appropriate assistance — in addition to the incubator program.

For more information, call the chamber at (814) 237-7644.

University is a valuable asset to the chamber's programs as well.

Alice Clark, CBICC vice president, concurs.

"The fact that Penn State's Ben Franklin Program, which provides funds for start-up companies, is right downstairs from the incubator in the Technology Building and that the Penn State patenting and licensing office is also there, plus Art Heim's industrial research office, is a big help

to the companies," she said. "People are close by to provide or locate financial, technical and business support."

"We also bring in people from the colleges of Business Administration and Engineering who have knowledge and contacts that could be helpful to our incubator tenants. Students from The Smeal College of Business Administration on internships have helped to do marketing plans and business plans. It's good experience

for the students and valuable advice for our incubator companies."

Heim noted that the University's research and technology transfer organizations in the Technology Center building often look for additional activities and support programs that can further reinforce the chamber's incubator program. For example, it was noted that the region's Small Business Development Center was not able to handle very many cases in Centre County. Leadership there approached the chamber about a satellite office.

The small business folks agreed and a satellite office was created at Penn State on Oct. 30 with planning help from the chamber. Donna Holmes, who has more than 14 years experience in commercial banking, was recruited to staff the new program. The center will provide one-on-one business consultations and information to prospective, new and established small businesses in Centre and Mifflin counties.

The new satellite office's activities complement those offered by PENNTAP, Penn State's statewide technical outreach network that provides no cost assistance to smaller businesses that do not have the in-house expertise or time to resolve specific technical questions or problems. It also will complement another Penn State regional business incubator effort — the Transformation Regional Incubator Project — as well as the chamber's incubator program.

The Transformation Regional Incubator Project, directed by John Vidmar, tries to deliver services where the four regional incubators in Moshannon Valley, Lycoming Valley, State College and Altoona leave off. Each of those incubators supplies on-site office practice services. Vidmar offers financial management and marketing workshops, as well as other owner/entrepreneur services to complement them.

"We've only really started this regional incubator support effort within the last year," Vidmar said. "Even more recently, we've started to work with the chamber to look for new entrepreneurs. Traditionally, both the chamber and Penn State worked with companies after they were in the incubator. Now, we are working with the prospects before they need space."

Conway said the results of all of these efforts — those on the part of the chamber and those by the University — are a kind of positive energy, a momentum, that helps new companies grow. He wants more entrepreneurs to step up to the table and avail themselves of the smorgasbord of services both from the chamber and from the University.

"We're interested in anybody who wants to start a business," he said. "We're interested in economic growth."

ARTS & ENTERTAINMENT

AT PENN STATE



On stage

The Nutcracker will be performed Dec. 5 and 6 at Eisenhower Auditorium on the University Park campus. For tickets, call (814) 863-2055 or (800) 278-2849.

The Nutcracker

The Center for the Performing Arts presents the Louisville Ballet's production of The Nutcracker at 8 p.m. Friday, Dec. 5, and at 1 p.m. Saturday, Dec. 6, in Eisenhower Auditorium on the University Park campus.

Appearing for the first time outside of Kentucky, this all-new version offers extravagant sets and costumes in a traditional Victorian setting.

Keeping with the holiday spirit, Eisenhower Auditorium will transform into a winter wonderland. Children will have the opportunity to meet Santa and Mrs. Claus before each performance.

Make a magical journey of your own to meet Clara, the Sugar Plum Fairy and the Nutcracker Prince. Each ticket qualifies you for a chance to win a visit with these characters. As a souvenir, the winner will be presented with a special nutcracker. The drawing will be held at each performance. One ticket holder will win.

For tickets, phone (814) 863-0255. Outside the local calling area, phone (800) 278-2849.

"Opera Intermezzo"

The Penn State Opera Theatre will present "Opera Intermezzo" at 8 p.m. Friday, Dec. 5, Saturday, Dec. 6, and Sunday, Dec. 7, in the School of Music Recital Hall on the University Park campus.

The production is directed by Susan Boardman, associate professor of music, and John Franceschina, associate professor of theatre arts. The Penn State University Choir, directed by Assistant Professor Anthony Leach, and the Penn State Philharmonic Orchestra, conducted by Pu-Qi Jiang, associate professor, will join the cast for "The Saint of Bleeker Street," a tale of a woman dying of tuberculosis and desperately wanting to take the veil and become a nun.

Tickets may be purchased from the School of Music by calling (814) 863-0431, or at the door. General admission is \$4.

Singing Lions

The Singing Lions will present their Christmas Show at 1:30 p.m. Sunday, Dec. 7, in the School of Music Recital Hall on the University Park campus.

The Singing Lions consist of 16 singers, four instrumentalists and a technical crew. For their Christmas shows, they have added a four-person horn section to the band. The ensemble is produced and directed by Peter Kiefer, instructor of music.

Tickets are \$4 for non-students and \$3 for students, and will be available at the door before the performance.

Winterfest '97

The Penn State School of Music's five choral ensembles, 40 voices strong, will blend together with the Symphonic Wind Ensemble to present Winterfest '97, their annual tradition of music and poinsettias, at 4 p.m. Sunday, Dec. 7, in Eisenhower Auditorium on the University Park campus.

Members of the Concert Choir, the University Choir, the Oriana Singers, the Women's Choral, Essence of Joy and the Glee Club will join in a festive repertoire, backed by the Symphonic Wind Ensemble. Lynn E. Drafil, assistant professor of music and director of the Oriana Singers, will conduct the mass choirs and wind ensemble in several pieces.

Tickets are \$7 for general admission, \$3 for students, and may be purchased in advance at the Eisenhower Box Office or by calling (814) 863-0255 or (800) 278-7849. Tickets purchased at the door will be \$8 for general admission, \$4 for students. For more information, call (814) 863-1118.

Kwanzaa celebration

Penn State's NOMMO Performing Arts Company will present its annual Kwanzaa show and feast at 6:30 p.m. Sunday, Dec. 7, in the HUB Ballroom on the University Park campus. This annual celebration is NOMMO's highlight performance of the year. It will feature African dance and drumming, as well as inform the audience about the seven principles of Kwanzaa. Following the performances, a feast featuring traditional African American foods will be offered. Tickets are \$6 for adults, \$5 for students and \$3 for children under 12 years of age. Tickets can be purchased from any NOMMO member and at the Paul Robeson Cultural Center.

Nittany Valley Symphony

Steven Smith, professor of music, will be the featured soloist with the Nittany Valley Symphony at 8 p.m. Tuesday, Dec. 9, in Eisenhower Auditorium on the University Park campus. The orchestra, under the direction of Michael Jinbo, will present an evening of Beethoven. Tickets are available by calling the Eisenhower Ticket Center at (814) 231-8224.

Holiday sale

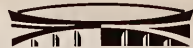
The HUB Arts and Crafts Center on the University Park campus will hold its annual holiday sale in the HUB Fishbowl from 9 a.m. to 8 p.m. Wednesday, Dec. 10, through Friday, Dec. 12, and from 9 a.m. to 5 p.m. Saturday, Dec. 13. The event will include pottery, handmade books, jewelry, ornaments and more.

Final concert

The Penn State Trombone Choir will present the final concert of the fall semester in the Bach's Lunch series at 12:10 p.m. Thursday, Dec. 11, in the Helen Eakin Eisenhower Chapel on the University Park campus. The 20-minute, free concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

The Trombone Choir consists of 23 undergraduate and graduate trombone majors. The concert will feature seasonal favorites, a sing-a-long and an arrangement of "The 12 Days of Christmas" by Joe LaLumia. The choir will be directed by Mark Lusk, associate professor of music, dressed as Santa Claus.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.



BRYCE JORDAN CENTER

Wrestling coming back

Raw is War, the World Wrestling Federation (WWF) will invade The Bryce Jordan Center at 7:45 p.m. Monday, Jan. 12. Tickets go on sale at 8 a.m. Saturday, Dec. 6, and are \$20, \$15 and \$10 for reserved seating.

More than 40 WWF superstars will be at the Jordan Center for more than three hours of nonstop action. This event will be broadcast live nationwide on USA Network.

Scheduled to appear are World Wrestling Federation Champion Shawn Michaels, Stone Cold Steve Austin, Undertaker, Kane, Legion of Doom, Hunter Hearst Helmsley, Dude Love, Ahmed Johnson, D.O.A., N.O.D., Ken Shamrock and many more. The card is subject to change at any time.

Alan Jackson returns

Country music star Alan Jackson, with special guest Deana Carter, will return to The Bryce Jordan Center at 8 p.m. Saturday, Jan. 17. Tickets go on sale at 8 a.m. Monday, Dec. 8, and are \$25 for reserved seating. Wristbands will be available from 9 a.m. to 5 p.m. Saturday, Dec. 6; and from 1 p.m. Sunday, Dec. 7 through 7 a.m. Monday, Dec. 8. Wristbands are for those wishing to purchase tickets at the Jordan Ticket Center.

In February 1996, a sold-out Bryce Jordan Center experienced the magic of a blue-collar, Newnan, Ga., native that sang directly from the heart. To date, Jackson has sold more than 21 million albums and has won more than 60 music awards.

Coming up

■ Dec. 5: "Lord of the Dance," 8 p.m. Tickets: \$39.50, \$28.50.

■ Dec. 9: Phish, 7:30 p.m. Tickets: \$22.50.

■ Dec. 13: The Young Messiah Tour, 7:30 p.m. Tickets: \$23.50, \$17.50, \$13.50 (children 12 and under half price).

■ Dec. 16: Kenny Rogers with special guest Sawyer Brown, 8 p.m. Tickets: \$26.50.

■ Dec. 21: Commencement, 1 p.m. (undergraduate and associate degrees).

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Unimart outlets, Commonwealth campus and college ticket outlets or by calling (814) 863-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc-psu.edu>.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, December 5

■ "Galla & Dan" concert, noon, Kern Graduate Commons
Robin Seymour, gallery talk on "Marsden Hartley's Modernism," 2 p.m., Christoffers Lobby, Palmer Museum.

"The Nutcracker," 8 p.m., Dec. 5, 1 p.m. Dec. 6; Eisenhower Auditorium. For tickets, call (814) 863-0255.

■ "Opera Intermezzo," 8 p.m., Recital Hall, through Dec. 7. For tickets, call (814) 863-0431.

Elayne Rhoads, trombone, student recital, 8 p.m., 122 Music II.

Saturday, December 6
Storytime by Jan Kinney, 11 a.m., Christoffers Lobby, Palmer Museum.

Sunday, December 7
Singing Lions Concert, 1:30 p.m., Recital Hall. For tickets, call (814) 863-0255.

Winterfest, 4 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
■ Penn State NOMMO Performing Arts Company, 6:30 p.m., HUB Ballroom.

Tuesday, December 9
■ "Beethoven 3: Romantic Revolution," 8 p.m., Eisenhower Auditorium. Jazz II & III Concert, 8 p.m., Recital Hall.

Wednesday, December 10
Holiday sale, 9 a.m. to 8 p.m., Dec. 10 through Dec. 12; 9 a.m. to 5 p.m., Dec. 13; HUB Fishbowl.

Thursday, December 11
The Penn State Trombone Choir, 12:10 p.m., Eisenhower Chapel. Concerto Competition, 6:30 p.m., Recital Hall.

■ "Beim nächsten Kuss knall ich ihm nieder" ("One More Kiss and He's Dead"), 7 p.m., 113 Carnegie.

Symphonic Band, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 865-0431.

Nittany Valley Symphony, 8 p.m., Eisenhower Auditorium.

Saturday, December 13
Rolando Freitag, violin, graduate lecture/recital, 8 p.m., 122 Music Building II.

Sunday, December 14
Sue Kearney, saxophone, student recital, 1 p.m., Recital Hall. Kyle Gleser, saxophone, 4 p.m., Recital Hall.

String chamber music, 7 p.m., 122 Music Building II.

Melissa Vought, clarinet, student recital, 7 p.m., Recital Hall.

Tuesday, January 13
Martin Erickson, tuba, faculty recital, 8 p.m., Recital Hall.

Thursday, January 15
"West Side Story," 8 p.m., Eisenhower Auditorium, through Jan. 16.

For tickets, call (814) 863-0255.

Richard Kennedy, voice, faculty recital, 8 p.m., Recital Hall.

Mark Ford, percussion, guest recital, 8 p.m., 122 Music Building II.

Tuesday, December 16
Happy Valley Toastmasters, noon to 1 p.m., 310 Shields.

SEMINARS

Friday, December 5
■ Michael Lazzarin on "Phenomenology in Japan," 4 p.m., 124 Sparks.

Monday, December 8
Harry Plonke on "USDA Pasture Systems and Watershed Management Research Lab," 12:20 p.m., 239 Agricultural Engineering Building.

Kunijil Prabhakaran on "Surface Reactions and Nanostructure Formation in Si and Ge Systems," 3:35 p.m., 106 Sackett.

Mark Munn on "Herodotus, Thucydides and the Invention of History," 4:30 p.m., 102 Weaver.

Tuesday, December 9
George Stan on "Adsorption in Carbon Nanotubes," noon, 339 Davey Laboratory.

Mike Betenbaugh on "Engineering the Secretion Pathway in Insect Cells," 2:30 p.m., Paul Robeson Cultural Center.

Daniel Boer on "Asymmetrical Asymmetries Hard Scattering Processes," 3:30 p.m., 339 Davey Laboratory.

Aiston Chase on "Is U.S. Natural Resource Preservation Policy Based on a Mistake?" 7 p.m., 102 Thomas.

Thursday, December 11
Michael Hicks on "PLAN: Programming Language for Active Networks," 4 p.m., 302 Pond Laboratory.

Friday, December 12
Barbara L. Coulter on "Ericoid Mycorrhizae: A Horticulturist's Path of Questions," 12:20 to 1:10 p.m., 112 Buckhout Laboratory.

Philip Jenkins on "The Urban Geography of Fascism: The Philadelphia Case," 3:30 p.m., 206 Walker.



Encore performance

Kenny Rogers will return to The Bryce Jordan Center on the University Park campus with special guest Sawyer Brown at 8 p.m. Tuesday, Dec. 16, for his second annual Christmas concert at the venue. Tickets are \$26.50. For information, check the Jordan Center Web site at <http://www.bjc.psu.edu> or call the center at (814) 865-5555 locally or toll-free at (800) 863-3335.

Thursday, January 8
James T. Bonnen on "The Ongoing Evolution of Land-Grant Universities," 11:30 a.m. to 1 p.m., 301A Agricultural Administration.

CONFERENCES

Monday, December 8
Penn State Tax Week, The Nittany Lion Inn, through Dec. 12.

Monday, January 5
Ice Cream Short Course, The Nittany Lion Inn, through Jan. 15.

EXHIBITS

HUB Art Alley Cases
HUB Craft Center instructors' mixed-media art exhibit, through Dec. 8.

HUB Browning Gallery
Exhibit by Anna Vaserstein, through Dec. 13.

HUB Formal Gallery
Paintings by Maria Sanchez, through Dec. 13.

Kern Exhibition Area
■ Photographs by Javier Escudero, through Dec. 8.

Kern Flat Cases
Jewelry by Denise Arieu, through Dec. 10.

Kern Tall Cases
Works in wood by Steve Strouse, through Dec. 8.

Palmer Museum of Art
"Photographs by the Steiglitz Circle, 1900-1930," through Dec. 7.

"Marsden Hartley: American Modern," Special Exhibition Gallery II, through Dec. 14.

"Twenty-Fifth Anniversary Exhibition: Prints from the 16th through Early 20th Centuries," Special Exhibition Gallery I, through Dec. 21.

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," Jan. 13 through June 14.

"American Printmakers, 1920 to 1945," Jan. 13 through June 14.

Zoller Gallery
M.F.A. Thesis Exhibition, through Dec. 20.

Metals Exhibition, Jan. 15 through Feb. 4.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

New center is created at MRL

A new Microwave Processing and Engineering Center has been created at the Materials Research Laboratory. The center will focus mainly on processing and sintering of ceramic powders, ultrahard materials—including carbides and diamond composites—electroceramics, powdered metals and transparent ceramics.

The center also will provide microwave technology to relevant and interested industries. Work at this new facility builds on recent breakthroughs and innovations made in the last couple of years by professors Dinesh Agrawal and Rustum Roy and their colleagues. Agrawal, professor of materials, will serve as director.

Core support for the center comes from Electric Power and Research Institute, the Department of Energy, Ben Franklin Technology Center and industry.

Promotions

Staff

Richard R. Auhl, supervisor, engineering labs in College of Engineering.
Randy S. Bowersox, research support technician III in College of Agricultural Sciences.

Tracy M. Bowman, senior applications programmer/analyst in Division of Development and Alumni Relations.

Helen F. Brady, staff assistant VIII at Penn State Abington.

Karen P. Brooks, program coordinator IV in Applied Research Laboratory.

Mac E. Bryan, research engineer/supervisor in College of Engineering.

Marilyn G. Byers, coordinator, internship program in College of the Liberal Arts.

Carol L. Campbell, conference services manager at The Nittany Lion Inn.

Anne M. Cavanaugh-Stover, administrative assistant I in College of Earth and Mineral Sciences.

Patricia A. Cochrane, assistant to financial officer II in Continuing and Distance Education.

Melissa B. Conrad, staff assistant V in Division of Development and Alumni Relations.

Technical Service

Joseph L. Conaway, environmental systems technician at Capital College.

Amy J. Crawford, maintenance worker-utility at The Bryce Jordan Center.

Todd E. Dobson, food preparer B, Housing and Food Services.

Lou Erika Krape, janitorial worker, Office of Physical Plant.

Brad J. Long, snack bar-janitorial worker A, Housing and Food Services at Penn State Altoona.

Kathleen A. Ray, snack bar worker B, Housing and Food Services.

Stacy R. Showers, stock truck driver, Office of Physical Plant.

■ Outreach

WISE Institute earns two-year training grant

The National Science Foundation has awarded Penn State's WISE Institute (Women in the Sciences and Engineering) a grant of \$234,160 over two years to train women and girls at five sites to diagnose, upgrade and repair computer hardware. The project, called "WISE-Cache or Changing Attitudes in a Computer Hardware Environment," is the creation of two Penn State faculty members from the Science, Technology and Society Program.

Judi Wakhungu, director of the WISE Institute, and Richard Devon, director of NASA's Pennsylvania Space Grant Consortium at Penn State, devised the project to help stem serious declines in the number of women majoring in computer science and engineering — which is estimated to have fallen from a high of 36 percent in 1984 to less than half that rate by 1996, according to Mary Jane Irwin, the project's adviser and professor of computer science and engineering.

WISE-Cache is expected to train 500 to 800 women and girls in a variety of settings from middle school to graduate school and K-12 classrooms over the two years. Men are also invited to take part in the training.

The project is an outgrowth of the Pennsylvania Space Grant's five-year-old student-run computer recycling program, SCRUNGE, which solicits donations of used computers from industry for placement in rural and inner-city schools or in non-profit agencies. To date, SCRUNGE has recycled about 1,000 computers free of charge. Both Temple University and the West Virginia Space Grant Consortium have spin-off SCRUNGE recycling programs.

"This computer repair course really came about when we found that women engineering majors participating in SCRUNGE were uneasy about opening computer CPU boxes to repair them," Devon said. "Although the women students were highly software literate, dealing with hardware wasn't part of their experience."

Testing confirmed that women's confidence levels about their competence to deal with hardware rated near zero, even among women whose confidence levels about their competence with software rated about seven on a 10-point scale. To remedy this confidence gap, Devon ran a pilot course last spring with 10 undergraduates, followed by three sell-out summer sessions for 36, K-12 teachers who were allowed to take the computers they had repaired back to their schools.

Susan Straley, an elementary school teacher from Bellefonte who took the 30-hour course, said she is now able to help other teachers solve computer problems because both her software and hardware skills and comfort level have increased as a result of the training.

Straley, who has been named the school's technology coordinator, said she is now able to talk to computer support people and get answers she understands. She also trains other teachers to correct computer problems they once brought to her to solve. Evaluations of undergraduates and teachers show that both software and hardware knowledge increase as a result of the training.

For more information about the project, contact Project WISE-Cache at the WISE Institute, 510 Thomas Building, University Park, Pa. 16802, or phone (814) 865-3342. E-mail can be sent to Katie Rung, administrative assistant, at cxg1@psu.edu.

Successful half-time program begins third season on the air

By ANNEMARIE MOUNTZ
Public Information

This basketball season, half time is the wrong time to make that fast break to the refrigerator. Instead of leaving the room at the half until the Penn State Nittany Lion or Lady Lion basketball games resume, stay tuned to your TV set for at least a three-point play from *Time Out Penn State*.

Now in its third season, *Time Out Penn State* has changed its game plan to produce a faster-paced, information-packed halftime show.

Producer and program hostess Melisande McCrae, manager of electronic communications in the Office of Public Information, has built on the successes of the last two seasons to establish the show's new look.

"This year's show has a faster pace than last year's," McCrae said. "For the men's and women's games, we've gone to a newscast-type of format, with three shorter segments covering a variety of topics. This allows us to get more information to the viewers in the same amount of time."

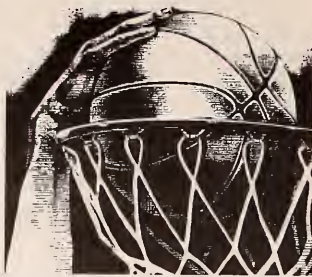
The women's games also will include a longer segment.

Another change is in the topics.

"We've gone to more consumer-oriented topics," McCrae said. "Half time is now a time to find out important consumer information, and also to learn about the role Penn State has had in benefiting Pennsylvania consumers and their lives."

During the course of the season, McCrae's guests will talk about everything from how Americans have more leisure time, to how parents and teachers can communicate more effectively with children, to how the University is helping to dramatically reduce salmonella contamination in Pennsylvania eggs. Viewers also will learn about bugs, older driver safety, how garlic and onions can help fight cancer, Pennsylvania's Link-to-Learn program, a night-owl study course at Penn State Altoona, what toys say about our culture and much more.

In addition, each *Time Out Penn State* will include a "postcard" to the viewers. These are 30-second pieces introducing another aspect of Penn State. Postcard producer Kim Yarnell Bierly, network television specialist in the Office of Public



Information, has chosen a variety of topics and locations, including the Penn State Dickinson School of Law; the plastics program at Penn State Erie, Behrend College; a postcard from space featuring faculty member Jim Pawelczyk, who will be a payload specialist on the April 1998 Space Shuttle mission; and more.

"This has been a tremendously successful vehicle for showing Pennsylvanians the good things that Penn State is doing," Stephen J. MacCarthy, executive director of University Relations, said. "This University does more to enrich the Commonwealth than any other entity in the state, and we need to make more people aware of these contributions. *Time Out Penn State* provides us with a great opportunity to do that."

Most of the interviews will air in Pennsylvania through the ESPN Regional network, hitting the major television markets including Philadelphia and Pittsburgh. The remaining segments will be shown in all of the Big Ten markets.

The first *Time Out Penn State* of the season aired Nov. 26 during half time of the Lady Lions basketball game vs. Kansas. Remaining broadcasts are scheduled for half time of men's and women's basketball games on Dec. 6, 14 and 20; Jan. 10, 11, 18, 25, 28 and 31; and Feb. 1, 14, 16 and 25.

For more information, check out the *Time Out Penn State* Web site at <http://www.psu.edu/ur/timeout/timeout1.html>.

DuBois announces campaign chair

Robert E. Umbaugh of Carlisle has agreed to lead a team of volunteers to help Penn State DuBois in the University's upcoming capital campaign. Umbaugh will serve as the chief volunteer spokesperson for campus objectives, enlist other volunteers to serve on the campaign committee, accompany staff in top-level cultivation and solicitation visits, and provide guidance and leadership.

Umbaugh had previously led a scholarship endowment steering committee that helped increase financial aid for DuBois undergraduate students. His success with that effort will help to provide a smooth transition for the new committee. The goals of the Penn State DuBois campaign will be to renovate and enhance existing facilities, increase scholarship endowment for undergraduate students and provide financial support for new campus degree programs. A specific dollar goal and timetable for the campaign have not yet been established.

Umbaugh and his wife, Joyce, have created four endowed funds at Penn State DuBois. Two provide scholarship support for undergraduate students, while the others fund an annual lecture series and provide support for the campus library. Umbaugh was named an Outstanding Alumnus of Penn State DuBois in 1989, the same year he earned a similar award from the College of Education.

Umbaugh is currently president of Carlisle Consulting Group and a consulting editor of Auerbach Publishing Co. of New York City. He is active in civic affairs and for years has served on numerous boards of directors and advisory boards.

Umbaugh graduated cum laude from Penn State in 1963 with a bachelor of science degree in education, participated in business administration graduate studies at Fairleigh Dickinson University in New Jersey, and is a graduate of the University of Idaho's management program.

Research partnership is the first of its kind

In a landmark cooperative agreement during ceremonies held Nov. 21, Penn State entered into a first-of-its-kind research partnership with the U.S. Marine Corps. The agreement creates the Institute for Non-Lethal Defense Technologies at Penn State, which will conduct research of innovative ideas, technologies and policies in support of non-lethal defense options for both military and civilian applications.

Edward G. Liszka, institute director, said the center will focus on helping the Marine Corps develop "what will be viewed as revolutionary new capabilities."

"Initially, we will be working with the Marine Corps to examine the medical, psychological and legal effects of non-lethal technologies and to set standards for their development and use," he said.

The Marine Corps is leading the way in pursuing development and use of non-lethal alternatives. The technologies developed at the new institute are intended to be used as an adjunct to conventional means aimed at controlling conflict escalation and/or achieving conflict resolution.

"There is a great deal we don't know about non-lethal technology, not only the utility of various devices and technologies, but also the legal, ethical, medical and other implications of their use," Gen. Michael J. Williams, commanding general of the Marine Corps Systems Command, said. "That's why our new relationship is so vital and will become a powerful force as the Marine Corps enters the 21st century."

Among the research areas that the institute will explore are: concept/technology development; performance effectiveness; rules of engagement; safety standards; countermeasures; consequence management; measures of lethality; legal implications; medical implications; environment issues; and training. According to the new institute's mission statement, it will:

- Promote, coordinate and conduct interdisciplinary research and development of non-lethal concepts and technologies.

- Network with other universities, research

institutions, industry and military/government agencies.

- Maintain a computerized database on expertise and technologies.

- Provide simulation and modeling capabilities for assessments and training.

- Promote workshops and conferences on the study of non-lethal options.

- Serve as non-vested agent and trusted adviser.

Membership in the institute currently includes Penn State's Applied Research Laboratory; Environmental Resource Research Institute; College of Earth and Mineral Sciences; College of Engineering; College of Health and Human Development; College of Medicine; Institute for Policy Research and Evaluation; and The Dickinson School of Law. In the future, membership will be expanded to faculty and staff members at other colleges and universities, government organizations and not-for-profit research groups. Businesses and industries will participate as associate members.

■ Alumni Fellows

College of Education honors two for national leadership

The College of Education has named two nationally recognized leaders as its Alumni Fellows. The Alumni Fellow award, presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

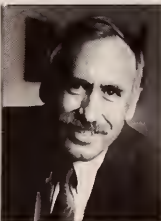
Bruce Ramirez, who received his doctorate in educational administration from the College of Education in 1980, is deputy executive director for the Council for Exceptional Children. With his long service to the council, he has established himself as a national leader in the field of education for at-risk individuals. Ramirez also has made remarkable strides within the Native American educational community, affecting national policy for children with disabilities. He has served on various boards and advisory committees that have worked to improve the education of exceptional students and/or culturally diverse children.

In addition, Ramirez has been instrumental in assisting teachers and other practitioners by conducting training sessions and publishing materials that have been used to improve educational practice throughout the United States.

Francis Fennell, who received his doctorate in curriculum and instruction with an emphasis on mathematics



BRUCE RAMIREZ



FRANCIS FENNEL

education from the College of Education in 1972, is a nationally recognized mathematics educator whose books and videos are used throughout the world to train kindergarten through eighth-grade mathematics teachers. A professor of education and chair of the education department at Western Maryland College, Fennell is currently on leave from Western Maryland College and is serving as a program officer in teacher enhancement in the Division of Elementary, Secondary and Informal Education at the National Science Foundation.

Fennell has changed the face of mathematics education in this country's elementary and middle schools. A well-respected professor of education, he has developed new and exciting methods for training future mathematics educators. Honors bestowed on him include the Outstanding Mathematics Educator Award from the Maryland Council of Teachers of Mathematics and the Sears-Roebuck Foundation Teaching Excellence and Campus Leadership Award. He also was recently named Carnegie Foundation Professor of the Year for the State of Maryland.

■ Outreach

Food safety program fills need for non-profit groups

BY NANCY CRABB
Philadelphia Region

Each week, it seems, the headlines announce yet another food horror: tainted beef, salmonella-laced eggs, deadly bacteria growing in strawberries and cantaloupes. And with each new scare, new rules emerge: no more traditional Caesar salads, raw cookie dough or rare steaks; and everything — hands, counters, knives, cantaloupes — must be kept scrupulously clean.

In this new brave world of cooking and eating, it's little wonder that Philadelphia County would pass a law a few years ago requiring at least one employee from every county organization that serves food — from restaurants to hospitals, cafeterias and even homeless shelters — to complete a 16-hour food safety certification program.

The law made sense, and many Philadelphia organizations, including area colleges and universities, rushed to offer the training on a for-profit basis to a captive market of restaurants and hospitals. But for the hundreds of Philadelphia area non-profit organizations, the new law posed a potential financial hardship: with tight budgets and shrinking corporate donations, many simply could not afford the fees charged for training.

Enter Penn State's Philadelphia County Cooperative Extension. Teaming with the Philadelphia Food Bank, Philabundance and the Philadelphia Department of

Health, cooperative extension officials tailored a National Restaurant Association food safety certification program to the needs of area non-profits, and began offering it at-cost.

The program, which started in early 1996, has been an overwhelming success. More than 200 employees of area non-profits have completed the training and are now certified for five years.

"Our participants have included the Salvation Army, drug and alcohol rehabilitation centers, soup kitchens, shelters — any place that helps the needy and serves food to the needy," said John Byrnes, the Philadelphia County extension agent who manages the program. "We've had a real range of people, from executive directors of very small organizations to cooks in larger ones. And I've never worked with a more appreciative group."

The program meets once a week for four weeks, going over everything from food contamination issues to developing a food safety system, cleaning and sanitizing and purchasing and storing food safely. Byrnes, a registered dietician who also holds a Ph.D. in health education, team teaches the classes with officials from Philabundance and the Philadelphia Food Bank.

"Prior to the legislation, there was a real void and a lot of inconsistency in the amount of training people received," said Byrnes. "Now, we know they are receiving the training they need to better ensure food safety."

Appointments

Wilkes-Barre welcomes new project coordinator

Joan L. Bush has been appointed project coordinator

for the new Student Support Services program at Penn State Wilkes-Barre. In August, the campus received a \$720,000 four-year grant from the U.S. Department of Education to provide support services to qualifying campus students with academic needs. The program provides tutoring and counseling services and some financial support to eligible students.

Bush will recruit students for the program and coordinate the services to be offered. She will assemble a team of professional and peer tutors and peer counselors to work with her in addressing the needs of students. The campus has renovated 1,500 square feet of office and classroom space to accommodate the program.

Bush earned her bachelor's degree in sociology at Boston College and master's degree in counseling at Marywood College, Scranton. Before assuming this position, Bush was an assistant professor at Luzerne County Community College in the psychology, sociology and human services department, and also served as director of the New Options program.



JOAN L. BUSH

Capital College adds director of marketing to Harrisburg staff

Rebecca L. Gardner is the first director of marketing at Penn State Harrisburg, Capital College. With more than 10 years of experience in advertising and promotion, Gardner will direct the activities of the recently created college marketing unit, which includes public information, publications, advertising, conferences and special events.

A resident of Lancaster, Gardner holds a bachelor's degree in history with a minor in English from Hanover College, Hanover, Ind., and earned an MBA with a concentration in marketing from Ball State University, Muncie, Ind.

For the past seven years, she has been marketing director for Royer's Flowers Inc., the second largest retail florist in the United States. Her duties at Royer's included the development and implementation of television, radio, direct mail, newspaper, outdoor and Internet marketing activities.



REBECCA L. GARDNER

Academic support programs coordinator joins Behrend

Amy L. Johnson has been appointed academic support programs coordinator at Penn State Erie, Behrend College. In this position she will be responsible for Behrend's Honors and Scholars program and will serve as coordinator for all student international experiences.

Johnson received her bachelor's degree in international business from Grove City College and her MBA from Penn State. She is a member of the 1997-98 class of Leadership Erie and NAFSA, the Association of International Educators.

Beaver adds two employees to its student affairs staff

Two people have recently joined the student affairs staff at Penn State Beaver.

Melinda R. Koerner will serve as the coordinator of residence life. Koerner is a graduate of Indiana University, Bloomington, with a bachelor's degree in early childhood education.

She will be responsible for the day-to-day operation of residence life, including implementation of disciplinary actions, supervision of a staff assistant and eight resident assistants, and coordination of programming and Residence Hall Advisory Council activities for the campus' two residence halls.

Gretchen Wissner has been named assistant coordinator of residence life. Wissner is a graduate of the University of Pittsburgh at Johnstown with a bachelor's degree in psychology.

Wissner is responsible for supervising security night receptionists, counseling and overseeing the safety and security of the residence halls.



MELINDA R. KOERNER



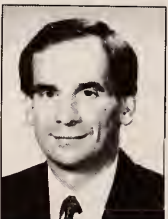
GRETCHEN WISSNER

College of Engineering promotes professor to associate dean

John M. Mason Jr., professor of civil engineering, has been appointed associate dean for graduate studies and research in the College of Engineering. Mason takes over the post from Michael M. Reischman, who left in August for a position at the University of South Carolina.

Before becoming the associate dean for engineering graduate studies and research, Mason served as the associate director of the Pennsylvania Transportation Institute and director of the Center for Intelligent Transportation Systems. He earned his B.S. from Penn State, his M.S. from Villanova, and his Ph.D. from Texas A&M.

Working as an engineer since 1972, Mason



JOHN M. MASON JR.

served as a program manager for the implementation and design program of the Texas Transportation Institute at Texas A&M from 1982 to 1986. He then worked as a district transportation manager for Post, Buckley, Schuh & Jernigan in Florida before coming to Penn State in 1987.

The author and coauthor of numerous publications, Mason has received several honors, including the 1984 Collingwood Prize from the American Society of Civil Engineers (ASCE), the 1990 Villanova University Carl T. Humphrey Memorial Award for professional achievement in engineering, and outstanding paper awards from the Institute of Transportation Engineers, the Transportation Research Board and ASCE.

Shenango campus welcomes academic adviser

Penn State Shenango has hired Heather A. McGuirk as an academic adviser for the campus. In this position, McGuirk will be responsible for student advising and scheduling. She also will assist students in choosing a major and exploring career interests. Through the campus' Freshman Testing, Counseling and Placement program (FTCAP), McGuirk answers questions from incoming students and their families about the University. She is trained in stress management and plans to work with the student organizations on campus in offering stress management seminars.

McGuirk received a bachelor of arts degree in sociology from The Ohio State University and a master of science degree in counseling from Youngstown State University. She also received a certification in crisis intervention and suicide prevention through the Help Hotline of Youngstown, Ohio.

She is a member of the American Counseling Association and the Chi Sigma Iota sorority.

Penn State Erie names associate director of development

Mary Q. Negri has been appointed associate director of development at Penn State Erie, Behrend College. Her duties include identification, cultivation and solicitation of business, corporate and alumni prospects of the college. She also serves as staff liaison to the Penn State Erie Alumni Society in activities supporting development.

Negri is an alumna of Allegheny College of Meadville and received her master's degree from Bowling Green State University. She formerly served as a board member with the March of Dimes and chaired that organization's campaign committee. She also was involved in the Library 21 campaign, which raised funds for Erie's Blasco Memorial Library.

International student programs and diversity coordinator joins Altoona

State College native Tammy Russell has been hired as coordinator of diversity and international student programs at Penn State Altoona. In her new position, Russell hopes to bridge the gap between the college's diverse student population and the community by creating an outreach program and forming new organizations geared toward helping students of different cultural, religious or sexual orientations.

In the past, Russell has worked with run-away teens in Washington, D.C. While obtaining her master's degree in counselor education from Penn State, she worked in child support services at the Altoona Out Patient Health Clinic as well as an in-take counselor, counseling physically and sexually abused kids on crisis management, and drug and alcohol awareness.

Russell holds a B.S. degree in rehabilitation service education.

Group looks to future of information technology

By BARBARA HALE
Public Information

In his most recent State of the University Address, President Graham B. Spanier voiced a commitment to building academic excellence by selective investment in Penn State's strongest programs and areas of greatest potential and need. During his talk, information science and technology was one of the four areas mentioned as having compelling social interest and worthy of this special type of investment. Recently, a special strategic planning group was appointed to help realize the president's vision.

Rodney A. Erickson, vice president for research and dean of the Graduate School, will chair the new group — which will identify current and planned programs at Penn State in information technology and will seek input concerning future industry needs. The group is scheduled to forward recommendations by May 1, 1998. The committee is charged with formulating recommendations to strengthen the academic activities at Penn State in information technology, including new and expanded curricula and research opportunities. The group will explore the feasibility of creating a new academic unit focused on information science and technology.

"Employers expect Penn State graduates to be broadly educated and to be able to apply their knowledge effectively in functional or cognate areas," Erickson said. "The group is looking across colleges, across campuses, at undergraduate and graduate programs, at libraries, distance delivery of courses, in fact, the whole spectrum of Penn State activities in the information sciences and technology."

Part of the group's charge is to survey existing programs and planned programs at other universities and seek input from experts in both the academic and corporate sectors. Corporate representatives will be visiting Penn State to share their insights concerning the future demands, knowledge base and skill requirements of graduates in this key area of the economy. In addition, members of the University community will be asked to contribute to the information gathering process and share their ideas with the committee.

"We are looking for ways to improve what Penn State is doing in information science and technology," Erickson said. "We want to see how the University can best help to address the problems of critical labor shortages in these fields through high

Higher ed outlines stance on technology

In response to a challenge earlier this year by President Graham B. Spanier, the national higher education community has stated its unified positions on a broad range of information technology and intellectual property issues affecting higher education and the nation.

The statement by the group is unprecedented because of its breadth and because it represents a unified declaration by all of higher education's presidentially-based associations in addition to many key organizations concerned with information technology.

Higher Education Policies for the Digital Age, released in Washington, D.C., and endorsed by 17 national organizations that speak for higher education, addresses some of the most critical information technology issues facing higher education today and outlines a set of national policies and principles that will permit universities to make full use of the digital environment and continue to advance its capabilities.

This first-of-its kind information technology/higher education policy document was created by the Higher Education Alliance for Information Technology, a coalition of the major higher education associations that represent nearly 3,000 colleges and universities and their presidents, as well as allied associations that have as members college and university chief information systems officers, library directors and university continuing education directors.

quality educational programs."

In his State of the University Address, President Spanier noted that "the scientific, technological and sociological dimensions of accessing, storing, retrieving, communicating and using information are of great economic and cultural importance. What better university to lead progress in this area than Penn State, one of the nation's most technologically advanced universities, with comprehensive strengths in computer science and engineering, communications, management information sciences and the social and behavioral sciences?"

Faculty, staff and students are welcome to communicate directly with members of the committee via

"Technology is dramatically changing teaching, research and public service at all of our nation's colleges and universities. These institutions must assure that national policies enable us to take full advantage of these emerging opportunities for fostering new knowledge and educating the nation's workforce. This document is an important first step to define higher education's position on many critical information technology policy issues," said Spanier, who serves as chair of the Presidential Advisory Board on Information Technology.

The publication focuses on a number of issues of immediate importance due to legislative or regulatory developments and rapid technology change. It includes discussions of intellectual property issues relevant to higher education such as copyright, infringement, databases and copyright infringement liability. It also refers to issues of free speech and inquiry, advancing the Internet, telecommunications policy and regulation, and distributed education.

Educom is another organization active in the coalition that helped develop the new set of higher education/technology policies.

Individual copies are available by e-mail request to briscoek@nasulg.nche.edu; by fax at (202) 296-6456; or by writing to the Office of Public Affairs, National Association of State Universities and Land-Grant Colleges, 1 Dupont Circle NW, Suite 710, Washington, D.C., 20035-1191.

e-mail (istp@psu.edu) or to Erickson at rae@psu.edu. Other committee members are: J. Gary Augustson, executive director of computer and information services, Terri Brooks, dean of the College of Communication, Nancy L. Eaton, dean of the University Libraries, Barbara Grabowski, associate professor of adult education and instructional systems in the College of Education, John Harwood, director, Center for Academic Computing, Elizabeth Hawthorne, associate dean for academic affairs, Penn State Berks, Mary Jane Irwin, professor of computer science and engineering, David Russell, academic division head of engineering, Grand Valley, James Thomas, senior associate dean, Smeal College, and David Wormley, dean, College of Engineering.

New tax credit to help students in first two years of college

Good news for anyone paying the price of a college degree. Beginning Jan. 1, a new tax credit will become available for individuals who are paying for tuition either at Penn State or any other college or university.

The Hope Scholarship Credit provides a maximum allowable credit of \$1,500 per student for the first two years of college. Specifically, the credit allows taxpayers a 100 percent credit per eligible student for the first \$1,000 of tuition expenses and a 50 percent credit for the second \$1,000 of tuition paid. This does not include related expenses such as room, board, books, athletics, transportation and similar personal, family or living expenses. (See special note.)

The credit is available for qualified tuition and related expenses incurred for the taxpayer, the taxpayer's spouse or any other college or university. Although the benefit's maximum is \$1,500, the allowable amount of the credit is reduced for taxpayers who have a modified adjusted gross income above a certain amount. The phaseout of the credits begins for most taxpayers when their adjusted gross income reaches \$40,000. The credit is completely phased out when the modified AGI reaches \$50,000. For joint filers, the phaseout range is between \$80,000 to \$100,000.

The Hope Credit is not available to married tax-

Special note

Because the Hope Tax Credit becomes effective on Jan. 1, 1998, only payments for tuition and course-related fees made on or after Jan. 1 may qualify for the credit. Depending on a student's individual and family tax circumstances, it may be to the advantage of a student, who is in her/his first two years of post-secondary education, to postpone paying for spring semester 1998 tuition until after Jan. 1.

payors who file separate returns. However, it is available to married couples who file jointly. In addition, the credit is available only for the first two years of post-secondary education for each eligible student. The credit is calculated on a per student, rather than a per family, basis. Therefore, eligibility could be for any member at the freshman or sophomore level.

In order to claim the Hope Credit, the student must be an eligible student, meaning they are enrolled in a program leading to a degree, certificate or other recognized educational credential; and the student must be carrying one-half of the normal full-time course load for the degree being sought.

Students studying abroad are also eligible as long as the program is approved for credit by the institution at which the student is enrolled.

Most Penn State spring semester tuition payments are due on Dec. 5. Those taxpayers who wish to take advantage of the Hope Credit for 1998 should delay their tuition payment until January 1998. Please note that a \$25 late payment fee will be charged for tuition received after the December due date. However, taxpayers may prefer to pay the late fee in order to take advantage of the \$1,500 tax credit. For those making their tuition payment in early January there will be no adverse effect on the registration of the student — classes will be retained.

Anyone interested in pursuing the Hope Credit should consult with their tax adviser for their eligibility before determining the timing of their payment and possibly incurring a late tuition payment fee.

Penn State cannot provide individual tax advice for people interested in pursuing the Hope Tax Credit and the University is not liable for damages of any kind in connection with this information. The Hope Credit is part of President Clinton's recently enacted Taxpayer Relief Act of 1997.

For more information, contact Roseann Siemioski, University bursar, via e-mail at rsk@psu.edu.

College of Education seeks candidates for dean

A search committee has been appointed to identify candidates for the position of dean of the College of Education that will be vacant in July after the retirement of **Rodney Reed**. **Barbara Shannon**, dean of the College of Health and Human Development, is committee chair.

The dean serves as principal academic leader and chief executive officer of the college and reports directly to the executive vice president and provost of the University. The dean is responsible for planning, budgeting, implementation, fund raising, and for the quality of teaching, research, service and outreach.

The position requires an individual who can lead effectively and manage a large and complex college in a comprehensive University setting. Candidates should have significant academic achievement in a field of study commonly included in a college of education with credentials appropriate for a tenured appointment at the rank of professor. Successful candidates will be expected to manifest:

- Ability to work collaboratively with faculty, college and University administrators, school staff, alumni and an external board of advisers;
- Ability to be a strong advocate for the college in campus, state and national settings;
- Commitment to and knowledge of teacher education and the broad range of professional education programs across the lifespan;

— Demonstrated commitment to diversity of faculty, staff, students and programs;

— Effectiveness in fund raising;

— Demonstrated ability to provide leadership in strategic planning, program and personnel assessment, budget management, and technology in administration, teaching and learning;

— High energy level and excellent interpersonal and communication skills; and

— Commitment to the land-grant university philosophy and the integration of teaching, research and service.

The College of Education provides instruction and research opportunities in six baccalaureate degree programs, as well as certification and graduate programs in 13 areas of specialization. It is one of 10 colleges at University Park. The college has a system-wide enrollment of 3,400 undergraduate students and 1,400 graduate students in Fall Semester 1997, and has five academic departments. A full-time equivalent faculty and staff of 158 people serve at University Park supported by an annual budget of approximately \$11 million and external research funding of approximately \$5 million. Established in 1923, the College of Education is dedicated to preparing teachers, leaders, researchers, scholars and other professionals. As a national leader and exemplar of quality, the college is considered to be among the best education schools in the nation.

Nominations, applications, and inquiries should

be submitted to Dean Shannon, Chair of the Search Committee for the Dean of the College of Education, The Pennsylvania State University, 201 Old Main, Box P51, University Park, Pa. 16802.

Other members of the search committee are: **Rockelle Brock**, graduate student; **Dorothy H. Evensen**, associate professor of education; **Henry A. Giroux**, Waterbury Chair professor in secondary education; **David H. Jonassen**, professor of education; **Allen C. Meadors**, CEO and dean, Penn State Altoona; **William D. Milheim**, associate professor and head of education division; **Donna C. Nicely**, coordinator of research and administrative services, Office of Educational Research; **Kathy L. Ruhl**, associate professor of education; **Linda L. Shoop**, associate professor of education; **Andrea M. Smith**, undergraduate student; **John W. Tippecanick III**, director of American Indian Leadership Program; **Beverly J. Vandiver**, assistant professor of education; **Donald J. Willower**, distinguished professor of education; and **Robert Secor**, vice provost for academic affairs and personnel, Office of the President, who will serve as an ex-officio member of the committee.

The search committee will review applications and nominations beginning Jan. 19, 1998, and will continue to receive them until the position is filled. You can find more information on the College of Education on the Web at <http://www.ed.psu.edu>.

Search under way for director at Capital College

A Capital College search committee has been appointed to identify candidates for the position of director, School of Science, Engineering and Technology. The search committee chair is **Joseph Dandois**, professor of engineering.

The director is the academic and administrative executive of the school and reports directly to the provost and dean. The school has bachelor of science programs in computer and mathematical sciences, electrical engineering, electrical engineering technology, environmental engineering, mechanical engineering technology and structural design and construction engineering technology; and master's programs in electrical engineering, engineering science, computer sci-

ence, and environmental pollution control.

The school has 50 full-time faculty and more than 600 full-time and part-time students. The preferred candidate will hold an earned doctorate in a discipline represented within, or closely related to, the school. Candidates should submit a letter of application, vita and the names, addresses and telephone numbers of five references. Review of the applications begins Jan. 5, 1998, and will continue until the position is filled.

Send materials to: Chair, Director, School of Science, Engineering, and Technology Search Committee, in care of **Dorothy Guy**, human resources manager, Penn State Harrisburg, 777 W. Harrisburg Pike, Middletown, Pa., 17057-4898.

College of Engineering requests nominations for associate dean

A search is being conducted for an associate dean for administration and planning in the College of Engineering. The position is currently held by **George J. McMurtry**, who will retire on March 31, 1998. The position will be available on or about April 1, 1998.

The associate dean reports to the dean and is expected to provide leadership in the college on general administrative matters including major policy, planning and development activities. Specific responsibilities include facilities, budgets, human resources and strategic planning. The Center for Electronic Design, Communications and Computing reports to the associate dean.

Candidates should hold a doctoral degree in an engineering discipline. They should have experience in teaching, advising and research at the undergraduate and graduate levels.

Candidates should have a firm commitment to providing a high quality engineering program, broad experience in college and University service and strong communication, interpersonal and management skills. Members of underrepresented groups, including minorities and women, are encouraged to become candidates.

A search advisory committee will begin to review nominations and applications on Jan. 19, 1998. Applications and nominations will be accepted and reviewed until the position is filled. The committee will identify qualified candidates and present evaluations and recommendations to the dean. Nominations and applications should be submitted to the Chair, Associate Dean for Administration and Planning Search Advisory Committee, 101 Hammond Building, University Park.

Award

Hershey dean inducted into Institute of Medicine

C. McColister Everts, Penn State's senior vice president for health affairs and dean of its College of Medicine, as well as president and chief academic officer of the Penn State Geisinger Health System, has been elected to senior membership in the Institute of Medicine of the National Academy of Sciences. Everts is one of just five individuals elected to senior membership this year.

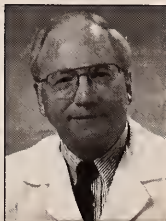
Induction into the Institute of Medicine is considered one of the highest honors in the field of medicine. The Institute of Medicine is "composed of individuals

of distinction and achievement, committed to the advancement of the health sciences and education and to the improvement of health care." The institute conducts studies, conferences and other inquiries into matters of national health policy.

Members of the institute are elected on the basis of their professional achievement in regard to the advancement of the health sciences and improvement of health care. The Institute of Medicine was chartered in 1979 as part of the National Academy of Sciences.

Before being named president and chief academic officer of the Penn State Geisinger Health System upon Hershey Medical Center's merger with Geisinger on July 1, Everts had been chief executive officer of the medical center. He also is a professor of orthopedics in the College of Medicine.

Everts is chairman of several medical boards and associations, has authored more than 190 scholarly publications and has served as editor of a five-volume textbook on orthopedics.



C. MCCOLLISTER EVERTS

Joint retreat reinforces groups' common goals

By LISA M. ROSELLINI
Public Information

Three forces working to increase civility at Penn State came together recently to reaffirm goals, identify crossover areas of concern and hammer out action plans that they hope will help to build a stronger sense of community.

In a show of solidarity, the Commission for Women, the Commission on Lesbian, Gay and Bisexual Equity and the Commission on Racial/Ethnic Diversity held a joint retreat on Nov. 20 to discuss issues ranging from a chilly classroom or workplace climate to educational initiatives that promote diversity, to policies dealing with acts of intolerance and harassment. It is the third such retreat the three commissions have held.

Together, these three commissions — which advise the University president on various issues — monitor the campus environment, move to eliminate acts of intolerance and promote acceptance and equity for all. Leaders of the three groups believe that by coming together and discussing issues of mutual concern, solutions for remedying problems and becoming a more inclusive community can more easily be found.

"We have moved from getting to know each other to working as one body to tackle common concerns," said Sallie McCorkle, associate professor of art and chair of the Commission on Lesbian, Gay and Bisexual Equity. McCorkle stressed the need to focus not just on issues at University Park, but to take a broader view of the entire University system.

"We have moved from getting to know each other to working as one body to tackle common concerns."

Sallie McCorkle, chair of the Commission on Lesbian, Gay and Bisexual Equity

Louise Sandmeyer, a member of the Commission for Women, spoke to the groups about their value to the University. Sandmeyer, executive director of the Center for Quality and Planning and a founding member of the Commission for Women, challenged the groups to collaborate more and push for organizational change.

"Together, you can approach the University as a system and represent many different parts, while still looking at the University as a whole," Sandmeyer said. "Take a holistic view. Don't just identify problems, but work to find ways to solve those problems."

Sandmeyer told the groups that coming together is a positive step that will allow them to have a voice in the University's planning process. It also provides them with an opportunity to clearly state their goals and focus on a few "significant issues that will make a difference."

Some of the issues identified through work sessions include the need for more diversity training and a demonstrated commitment to diversity; a close-

look at hiring practices and recruitment and retention of underrepresented groups; the need for more mentoring and support programs for workers and students; continued integration of diversity issues into the curriculum and strategic plans; and the need for more funds to strengthen diversity initiatives.

Many of the recommendations for achieving these goals focused on a "top-down" approach that began with meetings or letters to administrators and deans that would provide information and encourage them to work toward improving the climate. Other solutions included reviews of and potential changes in University policies; an examination of existing educational programs — such as freshmen seminars — to ensure the inclusion of a diversity component; benchmarking curriculum and programs both within the University and against other institutions; increasing training for faculty and staff; and increasing awareness of civility and climate issues through better communication.

One area that received favorable response was the idea that when acts of intolerance occur on campus, the three commissions would rally together to condemn the actions and reaffirm their commitment to civility and respect.

"The joint retreat provides an excellent opportunity for the three commissions to come together with a shared sense of direction and purpose and collaboratively strategize on several key concerns," said Tineke Cunningham, chair of the Commission for Women. "It is something we have found to be beneficial in helping us stay focused."

Minority students on majority campuses now have a guide

The college experience for a minority student on a majority campus can be frustrating, difficult and sometimes even painful. But those who persist and graduate, overwhelmingly say that they would make the same decision if they had to do it over again.

How to Succeed on a Majority Campus: A Guide for Minority Students, by Penn State professionals working in minority student recruitment and retention, is the first book of its kind and has been described as a must-read for minority students and their parents attending or considering a majority campus. Published this fall by Wadsworth, it is now in bookstores across the country and Canada and is priced for general use at \$11.95.

The book was written to help students overcome barriers associated with race, ethnicity and cultural isolation, and addresses issues head-on, including racism on campus, navigating unfamiliar ethical points of view, special challenges for women of color, building relationships with

It's on the Web

To request a review copy of "How to Succeed on a Majority Campus: A Guide for Minority Students," visit the Web at <http://www.wadsworth.com>

others and resolving conflicts. Lesbian, gay and bisexual students of color and the experiences of international students of color are issues rarely dealt with in college advice books, but are addressed here in depth.

"Based on more than 100 interviews of minority students and minority student counselors across the country, we wrote the book not just to give advice, but to explore ideas, open minds and excite the imagination. In all 12 sections, we stress thinking, not just surviving, and include check lists, questions, and direct comment by students," said Marc Levey, senior diversity program analyst at Penn State, who wrote several chapters and was editorial project director.

W. Terrell Jones, deputy vice provost for educational equity, and Michael Blanco, director of the Multicultural Resource Center, are the other principal authors. Interviews reported on and referred to throughout the book were conducted between January 1995 and March 1996 and include a cross-section of students of many cultures, races, ages and nationalities from majority campuses of higher education.

The authors also prepared a streamlined edition for minority students already enrolled at majority institutions, which also can be used by college and university administrators to examine policies and procedures for promoting minority student success.

Ninety percent of the non-white graduates at predominantly white institutions surveyed for the book said they would make the same decision again, in spite of the fact that more than 75 percent of these same graduates reported having been subject to, or having witnessed, some form of discrimination as undergrad-

uates. "Because I did well here, I am equipped to do well out there," is the rationale behind minority students' satisfaction.

"The bottom line is that attendance at a predominantly white institution is probably going to mirror the state of society in general, and even though college can pose a challenge, the struggle and triumph can be richly rewarding," Levey said.

"It is not uncommon for students of color to think that they shouldn't have to consider cultural fit. They think that issues like cultural fit and race relations are relics of the past, not relevant to their college experience," said Jones. "However, in recent years, institutions of higher education have experienced marked increases in acts of intolerance and both racial and cultural bias, underscoring the need for students of color to make an informed decision."

Readers are guided through a series of questions to ask colleges and sample responses to help students interpret the level of support or comfort they might find on that campus.

Obituaries

Grayce N. Berggren, secretary, College of Earth and Mineral Sciences, from July 22, 1955, until her retirement Nov. 1, 1971; died Oct. 12 at the age of 85.

Robert B. Burleigh, business manager, Penn State Harrisburg, from Dec. 22, 1965, until his retirement

Dorothy M. Gresh, food service worker, Housing and Food Services, from Sept. 12, 1954, until her retirement Dec. 9, 1975; died Sept. 22 at the age of 84.

John W. Harnan Jr., assistant professor of engineering, Penn State Harrisburg, from Sept. 16, 1967, until his retirement June 1, 1991; died Sept. 30. He was 68.

Max R. Kenworth, special assistant to vice president and dean, Commonwealth Educational System in Continuing Education, from Oct. 1, 1968, until his retirement June 30, 1982; died Oct. 10 at the age of 81.

Georgia K. Selsam, music assistant, Department of Music and Music Education, from Sept. 1, 1952, until her retirement Jan. 1, 1966; died Oct. 16. She was 95.

\$3.5 million grant to establish unique center

Researchers at Penn State have received a \$3.5 million grant from the National Institutes of Health to establish the nation's only resource center for the development of ultrasonic transducer/array technology for medical diagnostic procedures. This technology is used in the probes doctors hold against a patient during an ultrasound scan.

Ultrasonic transducers/arrays transform electricity into ultrasound waves, and vice versa, so that the returned ultrasound echoes from structures in the human body can be used to obtain internal diagnostic information from patients, much like X-rays or CAT scans. Improving these devices will permit better image quality, leading to improved diagnosis for medical conditions such as cardiovascular disease, birth defects and tumors.

Penn State researchers from across the University are combining forces to focus on two areas: First, developing ultrasonic transducers/arrays in the high frequency range, beyond 30 megahertz, which will be used in ophthalmology, dermatology and vascular surgery to see finer details than is now possible. Second, using new more efficient materials which will create better clinical images.

"Ultrasonic imaging is one of the most important medical imaging methods today," said K. Kirk Shung, professor of bioengineering and principal investigator for the grant. "It possesses several advantages over other techniques, like x-rays or magnetic resonance imaging (MRI), including being non-invasive, relatively inexpensive, portable and capable of producing a tomographical image—an image of a two-dimensional slice of the body. Another very important advantage is that ultrasound produces images fast enough to allow monitoring the motion of structures within the body, such as a fetus or a beating heart."

"Most engineers have an incomplete understanding of ultrasonic transducer performance, because it requires a broad interdisciplinary knowledge," Shung said. "The four-year grant from NIH builds on an earlier Whitaker Foundation grant which established the interdisciplinary Whitaker



Improved design

Graduate student Pat Lopah shows the difference between an old ultrasonic transducer, left, and the new, more compact probe tip developed at Penn State.

Photo: Greg Grieco

Center for Medical Ultrasonic Transducer Engineering at Penn State in 1994. We anticipate much improvement to this technology to be made with our new funding."

According to Shung, limiting factors to improv-

For more information

Additional information on ultrasonic transducer research at Penn State can be found on the Web at <http://bioeng.psu.edu/whitaker.html>.

ing ultrasound transducer/array technology are the critical national shortage of engineers knowledgeable in this subject, and the lack of research and development sites. Using the Whitaker grant, Penn State established a graduate program in bioengineering with an emphasis on ultrasound transducer technology, and six students recently graduated from this program—two with Ph.D. degrees and four with M.S. degrees.

Now the NIH funding will provide Penn State researchers the resources to focus on needed R&D as a service for academic institutions and commercial companies. Research is currently under way for eight clients, and an advisory board is in place to select the projects for future development.

Penn State was chosen as a site for this national resource center because the interdisciplinary expertise and infrastructure needed to pursue the research existed here through The Milton S. Eshelby Medical Center, the Applied Research Laboratory, the Intercollege Materials Research Laboratory and the College of Engineering's bioengineering and acoustic programs.

Co-investigators in the NIH national resource center are: Jon W. Meistrup, assistant professor of radiology; Diane M. Thiboutot, associate professor of dermatology; George Rosenwasser, associate professor of ophthalmology; and Randy M. Hauck, assistant professor of surgery, all from Hershey; Thomas R. Shront, senior scientist and professor of materials; and Wenwu Cao, associate professor of math and materials research, from the Intercollege Materials Research Laboratory; and W. Jack Hughes, senior research associate and associate professor of acoustics; Richard L. Tutwiler, research associate; and Grant A. Gordon, research associate in engineering science, all with the Applied Research Laboratory.

Grants support arts, humanities projects

The Institute for the Arts and Humanistic Studies has awarded its Individual Faculty and Planned Program grants. Twice a year, faculty with professorial rank and a continuing appointment within the Penn State system apply for grants to support research, and creative and performance projects in and across the arts and humanities. Applications for these grants come primarily from faculty in the College of Arts and Architecture and in the humanities departments of the College of the Liberal Arts; however, eligibility is not limited to these colleges. Any proposal that falls within the areas served by the institute is considered for support. The recipients for the period January-June 1998 are:

Individual faculty fellowships:

- Gary Cross (history): to complete a book that explains consumerism among other conceptions of the individual in society in the 20th century and the problematic nature of the consumerist ethic.
- Brian Curran (art history): to examine the Colonna manuscripts in Manchester, England, and to investigate their antiquarian imagery by consulting resources at the Warburg Institute in London.
- Aminadav Dykman (comparative literature): to prepare a book on the history of poetic translation into Hebrew.
- Garrett Fagan (classics): to begin research for a book on violence and leisure in the classical world.
- Taylor Greer (music): to defray the cost of illustrations for a forthcoming book on the music philosophy of Charles Seeger.
- John Kiskadee (visual arts): to finish documentation of Belfast murals for an upcoming book.

- Helen O'Leary (visual arts): to support two major upcoming solo exhibitions at the Michael Gold Gallery in New York and the Zolla/Lieberman Gallery in Chicago.
- Steven Smith (music): to present two recitals of his "solo festival," *Piano Entente*, at New York's Merkin Concert Hall at Abraham Goodman House.
- Garrett Sullivan (English): to review maps and manuscripts at the British Library and its affiliated Map Library to complete research for a Kenneth Nebenzahl Jr. lecture.
- Claudia Swan (art history): to study natural history and witch craft in Dutch art (c. 1600).

Planned programs:

- Susan Boardman, Richard Kennedy, Suzanne Roy and Norman Spivey (music): to support a 10-day residency of David Lutz, active accompanist and recording artist, for voice and piano students and faculty.
- Castalia Triu Pu-Qi Jiang (music): to perform, lecture and give master classes in the People's Republic of China.
- John Colapietro, Richard A. Lee Jr., John Russon (philosophy): to support a conference on the many interpretive stances available to scholars today for finding contemporary relevance in Aristotle's texts.
- Michael Naydan (Germanic and Slavic languages and literatures): to support a festival of the films of Russian director Vladimir Khotinenko.
- Richard Nichols (theatre arts): to support *An Evening of Kyogen*, three Japanese comedies to be produced by the University Resident Theatre Company.

Texaco's support of graduate research surpasses \$100,000

The Texaco Foundation's commitment to graduate student environmental engineering research at Penn State Harrisburg has surpassed the \$100,000 mark. For the fourth consecutive year, the foundation is funding a graduate scholarship, supporting ongoing college research into the transport and behavior of contaminants in air, soil and water. Natalie Goodrich, a student in the Environmental Pollution Control master's program, is the recipient of this year's scholarship.

Christopher G. Rabideau, project atmospheric scientist with Texaco's Technology Division in Houston, said the development of the Environmental Chemodynamics-Air Quality Laboratory has led to vital research in the areas of fate and transport and emission.

The research through the Texaco Foundation Scholarship at Penn State Harrisburg has resulted in the creation of the Chemical Fate and Transport Research Team co-directed by environmental faculty members Scott Huebner and George Partridge.

Living together before marriage may alter family plans

By PAUL A. BLAUM
Public Information

Living together results in young people preferring to have fewer (or no) children and having a greater tolerance for divorce, according to a Penn State sociologist.

"Other arrangements — living alone, sharing an apartment with a roommate, staying in a college dorm, remaining with parents — appear to have no effect on how young people today perceive childbearing and marriage," said William G. Axinn, professor of sociology. "While they are more inclined to postpone matrimony than their parents, they still anticipate a lasting marriage and childbearing at some point."

On the other hand, living together outside marriage dampens enthusiasm for both activities. This is especially true when couples live together for a protracted period without marrying, said Axinn, a senior research associate with the University's Population Research Institute.

"The reason for this may lie in the fact that cohabitants, who perhaps once looked forward to marriage and children, learn an alternative lifestyle that teaches that marriage and childbearing are not necessary," Axinn said.

"Furthermore, people who cohabit will tend to choose partners who themselves are negative toward marriage and childbearing."



William G. Axinn, professor of sociology, has found differences in perceptions of marriage and child bearing between people who live together before marriage and those who don't.

Photo: Greg Grieco

Furthermore, when cohabiting couples dissolve their relationship, they are more likely to accept divorce as a norm than cohabiting couples who ultimately marry or, in any event, stay together, according to Axinn.

"Breaking up is emotionally wrenching even in cohabitation and can lead to the same acceptance of divorce as a failed marriage," he said.

Axinn worked with Jennifer Barber, postdoctoral fellow and instructor at the University of Michigan while Barber completed her doctorate in sociology at Penn State.

"Forty or 50 years ago, most young people married and started having families soon after high school graduation," Axinn said. "Now they may wait until their middle or late 20s before marrying or in many cases put it off indefinitely."

In the meantime, young people form a variety of living arrangements that were comparatively rare a half century ago. In recent decades, they have increasingly opted for living together.

"Unlike other living arrangements, living together significantly reduces young people's desire to raise families and

significantly increases their tolerance of divorce," said Axinn. "Furthermore, our data show that this change becomes more pronounced as couples continue to live together."

Axinn and Barber obtained their data from a 1961 sample of mothers and children from three metropolitan counties in Michigan. The mothers were interviewed seven times between 1962 and 1985, while the children born in 1961 were interviewed at age 18 in 1980 and at age 23 in 1985. After 23 years, 82 percent of the families interviewed in 1962 remained in the study.

metal surfaces. In addition, he expects, eventually, to be able to use the process to produce carbon nanotubes, the invisible carbon wires recently discovered by others, that have stirred much interest in the microelectronics industry.

Singh said the new process can produce silver and nickel particles at a rate of 5 to 3 grams per minute, higher than any other technique now available, except grinding. Grinding, however, cannot make particles in the nanometer range.

Singh's co-inventors include his ARL associates, Eric Whitney and Paul Denney. The process is being patented and is available for licensing.



Facts and books
from Penn State
in the know

From the experts

Microwave chefs' questions answered

Here are some tips to make your microwave meals taste their best, from Swamy Ananthswaran, associate professor of food science in the College of Agricultural Sciences who has done research on microwave technology, and Joy Daniel, senior manager of product development for Sharp Electronics Corp.

■ **SOGGY BREAD:** Buns and breads turn soft and chewy when heating a hot dog or a sandwich because the sandwich meats release moisture very rapidly as they're cooked. The moisture is absorbed by the bread. Overheating and rapid heating also will make bread chewy.

■ **UNEVEN HEATING:** Microwave ovens heat more efficiently when foods have a large surface area, so spread the food out on the plate and avoid cooking directly in containers. Ananthswaran said microwave ovens get the most even heating with small cylindrical or spherical foods, such as hot dogs or potatoes. Rectangular foods, such as packaged dinners, may heat less evenly because the microwaves are hitting the top and the sides, causing the corners to overcook.

■ **REHEATING:** The trick to reheating leftovers is to decrease power and add a little moisture.

■ **POPCORN:** Microwave popcorn pops differently because of such variable factors as brand of popcorn, brand of oven, quality of the kernels, quality of the bag, age of the product and whether the product is salted. Microwave popcorn may have more unpopped kernels because the manufacturers include more kernels to make sure the corn pops to a full bag every time.

■ **COVERING FOOD:** Use paper towels for breads, rolls and muffins; wax paper for vegetables; and lids for large quantities of dense foods.

■ **MEAT:** In most cases meat loses tenderness in a microwave from being cooked too rapidly. Ananthswaran recommends cooking meat on 50 percent power.

■ **EXPLODING FOOD:** Foods with skins, such as potatoes, apples and hotdogs, build up steam pressure within the center as the microwaves heat the product. To prevent bursting food, pierce the skin with a fork or make a small slit along the length of the product.

Ultrafine metal powder production process is refined

Researchers at the Applied Research Laboratory (ARL) have developed a faster, cheaper and cleaner method of producing ultrafine metal powders, such as silver used in solder, dental fillings, circuit boards, high-speed photographic film and a host of other applications.

Jogender Singh, ARL senior research associate and associate professor of materials science and engineering, led development of the process. He was recently honored with an *R&D Magazine* 100 award which recognizes 100 of the new best discoveries or inventions of the year.

Most recently, Singh said, his group also has shown that the new process can substitute for electroplating in some applications by depositing coatings or patterns on

University Women offer scholarships

The State College Branch of the American Association of University Women is offering scholarship grants for women for the academic year 1998-99. This year the State College Branch will be sponsoring three grants. The first of these awards is the Simmons-Jansma Project Renew Grant for \$3,000. The other two awards are State College AAUW Scholarships for \$2,500 each.

The purpose of these awards is to support women who, at some point, have interrupted their academic work for at least three years and who wish to resume or continue their studies. The grants will be awarded to three women residents of Centre County who have completed a minimum of one-fourth of the degree requirements toward a baccalaureate degree. The awards are made on the basis of financial need, academic promise, clarity of educational goals and service to the community.

Grant applications are available from Anne Nelsen, at (814) 237-9059; fax: (814) 235-6926; e-mail: aknelsen@vicon.net; mailing address: 310 S. Allen Street #402, State College, Pa. 16801.

Deadline for submission of applications is Feb. 15, 1998.

Mont Alto program fully reaccredited

The Penn State Mont Alto associate degree program in occupational therapy was recently recommended for full reaccreditation by the Accreditation Council of Occupational Therapy Education (ACOTE). The program received its original accreditation in 1993. The reaccreditation process included an expansive written report analyzing the mission, philosophy and curriculum design of the program, followed by a four-day on-site review by ACOTE representatives. The Penn State program completed the review with no deficiencies.

This degree also is offered at four other Penn State campuses: Penn State Berks, Penn State Shenango, Penn State DuBois and Penn State Worthington Scranton. Director of the Penn State Occupational Therapy Program, Janet DeLany, is a member of the Mont Alto campus faculty. Currently 60 students are enrolled in the Mont Alto campus occupational therapy assistants' program.

Check the Web

To view the current issue of *Intercom Online*, point your browser to <http://www.psu.edu/ur/INTERCOM>. For past issues, log into the same site and click on the link to the archive.



Oh, deer

A rather large buck sat in full view recently, completely unconcerned about hunters — and with good reason. While his cousins hide in the woods, this deer relaxed at his home at the Penn State Deer Research Center on the University Park campus. The pens are managed by the Department of Dairy and Animal Science.

Photo: Greg Grieco

Nominations sought for Schraer award

A selection committee to oversee the annual Rosemary Schraer Mentor Award has been established and the Commission for Women, sponsor of the award, is seeking nominations.

The award, created in memory of Rosemary Schraer, former associate provost for Penn State, honors a University employee who has excelled in helping others to recognize and achieve their potential professionally and personally. Schraer, who died in 1992, joined the University in 1959 as a faculty member in the Eberly College of Science and through her 26-year tenure, was noted for her mentoring abilities. In 1985, she accepted a position as executive vice chancellor and

then chancellor of the University of California, Riverside. The award recognizes individuals who have advised, facilitated, encouraged or paved the way for others. Consideration for the award will be given to any faculty or staff member who has a record of outstanding mentoring service beyond the requirements of their employment.

Nominations are due by Jan. 23, 1998, and should be returned to Nancy L. Herron, Commission for Women, 311 Grange Building, University Park, Pa. 16802. Additional information and nomination forms are available by calling (814) 865-1683.

Members of the selection committee include: Herron, director of academic affairs, Penn State McKeesport, Sabrina Chapman, director, Center for Women Students, Tineke J. Cunningham, chair, Commission for Women, Margaret M. Lyday, associate professor, Department of English, and Ellen Walker, academic adviser in The Smeal College of Business.

Contributions to help endow the award may be made payable to The Pennsylvania State University and sent to 1 Old Main, University Park, Pa. 16802, with an indication that contributions are to be credited to the Rosemary Schraer Fund.

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Find us on the Web at <http://www.psu.edu/ur/INTERCOM/>

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Eberly Foundation gives \$5 million for research

The Eberly Family Foundation of Uniontown has donated \$5 million to The Milton S. Eberly Medical Center to promote medical research and support a new method of surgical training.

Foundation President Robert E. Eberly said \$4 million will create a fund to speed the transformation of promising research concepts into actual patient treatment programs. The remaining \$1 million will support the Virtual Hospital — unique to

the medical center — where computer technology and virtual reality allow medical students and residents to simulate surgery without risk to human life.

Robert Eberly, chairman of Eberly and Meade, a natural gas production company, is a 1939 Penn State graduate. He and his wife, Louise, along with his sisters, Carolyn Eberly Blaney and Margaret Eberly George, are long-time benefactors of Penn State programs in the sciences and health care.

C. McCollister Everts, Penn State's senior vice president for health affairs and dean of the College of Medicine, said the new Eberly Medical Research Innovation Fund would place a high priority on an interdisciplinary approach to path-breaking research. He noted that the Eberly fund has exceptional potential to advance research and treatment in such areas as neuroscience, cardiovascular medicine,

See "Eberly" on page 3

University seeking action against Texas sports agent

Editor's note: The full text of President Spanier's remarks can be found on the Web at <http://www.psu.edu/ar/underSpecial/>

By LISA M. ROSELLINI
Public Information

Using strong words, University President Graham B. Spanier last week declared a Texas sports agent "persona non grata" on all Penn State campuses and called for district attorneys from two counties to file criminal charges against him for buying gifts for running back Curtis Enis, bringing an end to his college football career.

At a news conference Jan. 6, Spanier said the University is also investigating whether it should pursue a civil suit against Houston-based agent Jeff Nalley.

On Dec. 23, just days before the Citrus Bowl in which the Nittany Lions played against the Florida Gators, Enis admitted to accepting gifts from Nalley, a violation of NCAA regulations and Pennsylvania law.

Penn State immediately suspended

MORE SEATS FOR
BEAVER STADIUM
CONSIDERED...PAGE 2



Going underground

Gene Kurtz works in the steam tunnels at University Park on a valve that isolates steam flow in the line. Kurtz is one of half a dozen people who work in the 3½ miles of tunnels below the University.

Photo: Greg Grieco

Vice provost announces plans to return to faculty

James B. Stewart, vice provost for educational equity and professor of labor and industrial relations, today announced his intention to step down from the vice provost position at the beginning of the 1998-99 academic year and return to the faculty.

"I am looking forward enthusiastically to assuming full-time teaching activities and conducting research related to diversity and multiculturalism," Stewart said.

Stewart assumed the position of vice provost for educational equity in 1990, after having served for a number of years as director of Penn State's Black Studies Program. One of the major initiatives during his tenure as vice provost has been the initiation of a specific strategic planning process focusing on enhancement of diversity efforts. This process has produced a University-wide diversity strategic plan that will be introduced and implemented early this year.

Since 1988, he also has been responsible for overseeing the implementation of Penn State's "Plan for Equal Opportunity," which is one component of



JAMES B. STEWART

See "Vice provost" on page 2

Inside



Penn State's first Rhodes Scholar talks
Tess Thompson, Penn State's first Rhodes Scholar, is enjoying her time at Oxford and describes what life is like in an English institution. For the full story, see page 20.



The survey says ...

Results from Intercom's readership survey are in and tabulated. With a 45 percent response rate, the answers and suggestions are proving helpful. For more information on the survey and its results, please see page 22.

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Sports

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Enis from playing in the Citrus Bowl and the All-America tailback has since declared his eligibility for the National Football League draft in April.

"The actions of the sports agent, Jeff Nalley, are particularly unconscionable since he knows, as do all sports agents, that offering gifts to student athletes violates NCAA regulations, is unethical, and in fact violates the laws of 27 states, including Pennsylvania and Texas, where the agent is based," Spanier said.

Spanier, a member of the National Collegiate Athletic Association's board of directors and its executive committee, said he would like to see Nalley punished according to the 1988 Pennsylvania law that makes it illegal "to give, offer or promise anything of value to a student athlete... before the student athlete's eligibility for collegiate athletics expires." If found guilty of this misdemeanor crime, Nalley could face a maximum fine of \$10,000 and a sentence of up to a year in prison.

University representatives have already met with law-enforcement officials from Dauphin and Cumberland counties — the locations of malls where Enis and Nalley reportedly shopped. Spanier said the University has turned over all of the evidence it gathered relating to the incident to District Attorney John Cherry of Dauphin County and District Attorney Skip Ebert of Cumberland County. Penn State also has reported its actions and the circumstances to the NCAA and the Big 10. The district attorneys from both counties have said their investigations into the incident are continuing and they will determine at a later date whether charges are warranted.

In addition, the University is also seeking the disbarment of Nalley as an agent for professional players through the NFL Players Association.

"I am normally not a vindictive person," Spanier said. "Something, this has lingered a little longer with me. I think it's not just the episode itself, it's what it represents. To me, there is something fundamentally wrong with anyone who thinks he can... fool around with the integrity of this University. That I won't stand for."

"We hold sacred our reputation that puts first and foremost our commitment to the academic achievement of our student-athletes, honesty, rules compliance, fairness and good sportsmanship," Spanier said. "We will not willingly allow any student, University employee or outside agent or agent to interfere with the reputation of this University and the principles for which we stand."

Athletics Director Tim Curley said Penn State has a comprehensive compliance program in place to educate student-athletes about the dangers of accepting gifts. On an annual basis, student athletes hear information from current



Harsh criticism

President Graham Spanier at a recent press conference used strong words when discussing the unethical actions of a Texas-based sports agent that put the University's integrity into question. The University is pushing for prosecution of the sports agent, Jeff Nalley, under Pennsylvania law.

Photo: Greg Grieco

agents, former athletes and NFL employees. Football Coach Joe Paterno also regularly discusses the issue with players and agents.

During the press conference, both Spanier and Curley said the existence of unethical sports agents has long been a threat to universities and their student athletes. In the past year, the NCAA has been discussing steps it can take to curb what Coach Paterno calls "one of the sport's most perplexing problems." Spanier did not excuse Enis' conduct, but he added that the heart of the problem lies with the sports agents "who know the rules well and intentionally circumvent the law."

Currently, laws regulating agent-athlete relationships change from state to state. Spanier said the NCAA has supported uniform state legislation that would control unscrupulous sports agents who cross state lines to avoid prosecution. Spanier urged Pennsylvania legislators to back such a uniform measure.

Responses received by the Department of Public Information after it sent out Spanier's statement via the Internet on its Newswire service praised the University's actions against Nalley and offered kudos to Spanier for his strong position on the matter.

"I agree with everything in your statement," wrote one alumnus. "Sports agents, while serving a good purpose, have taken their greed and self-interests to the ultimate and poisoned not only amateur athletics, but the professional game as well."

Another alumnus wrote: "I highly commend Coach Paterno, President Spanier and their staffs for setting the highest standards in this area — not just in this incident, but at all times."

Minority enrollment at Penn State reached an all-time high in the 1997-98 school year with 7,721 minority students attending the University.

"We are grateful to Dr. Stewart for the leadership he has brought to Penn State's goal to be a welcoming place for people of diverse backgrounds, where they can experience success and, indeed, excel," John A. Brighton, executive vice president and provost, said. "Much progress has been made in the years he has served as the University's initial vice provost for educational equity."

Architects looking at renovation of Beaver Stadium

With one of the nation's longest streaks of sold-out home football games, some Nittany Lions fans are frustrated that football tickets are hard to come by. But more seats may be on the way.

Penn State recently hired an architectural firm specializing in sport facilities to look into the feasibility of adding 6,000 to 12,000 additional seats to Beaver Stadium. The renovation also would upgrade rest rooms and concession stands and improve access for the handicapped.

The marketing division of a financial services

firm also has been engaged to look at ways to finance the expansion on a completely self-supporting basis, using funds principally from ticket sales, donations and contributions from businesses. The firm is also canvassing Nittany Lion Club members and the corporate community to gauge their interest in private box, club and regular bench seating.

"Beaver Stadium holds 93,967 people, but this year was sold out for all home games before the season began, breaking attendance records three times this fall," said Tim Curley, director of athletics. "In 1991 we added 10,033 seats on the north end, making it the third largest in college football after Michigan and Tennessee."

"Since then, the demand for seats has grown so that even some of our Nittany Lion Club members, faculty and staff are unable to get tickets."

Architects are now considering several different options for new seating that could affect the east, west and/or south sides of the stadium. Among the goals of the study are to explore adding considerably to the number of regular seats sold at the lowest prices. The study also will determine the overall interest in club and private box seating.

"The possibility of bringing private boxes and club seats to Beaver Stadium has attracted a lot of attention and it seems there is some support for them among ticket holders, but we really won't know until later this winter after the surveys are completed," Curley said.

Sports consultants with Coopers & Lybrand are conducting the survey, and HOK of Kansas City is working on preliminary designs. Should the University decide to go ahead with the expansion, construction would not begin until after the 1998 season.

Penn State is investigating the feasibility of adding 6,000 to 12,000 additional seats to the stadium.

Vice provost

continued from page 1

Pennsylvania's desegregation plan. Stewart also was actively involved in developing and implementing the University's SHARE Program during the period of anti-apartheid protests in the mid-1980s. More recently, he coordinated Penn State's annual commemoration of the Martin Luther King Jr. federal holiday.

Stewart's contributions have been recognized through a number of awards. He received Penn State's

"Award for Outstanding Contributions to Improving Equal Opportunity and Cross Cultural Relations" in 1992. The Forum on Black Affairs selected him as the first recipient of its Humanitarian Service Award in 1985.

Following his return to the faculty, Stewart intends to pursue a variety of teaching and research interests in Black/Africana studies and labor studies. His recent work has focused on the thought of W.E.B. Du Bois, the problems facing African Americans in post-industrial labor markets, equal opportunity in the U.S. military and affirmative action in South Africa.

Eberly

continued from page 1

cancer, diabetes, obesity and metabolic disorders.

"We will use the Eberly fund to provide start-up grants to boost new and innovative programs that offer great promise, but have not yet established themselves to the point of attracting support from traditional government and foundation sources," Dr. Everts said.

In the Virtual Hospital, which has been under development in the College of Medicine since 1993, training surgeons practice procedures intensively until they acquire a high degree of skill, without risk to patients. Using sophisticated hardware and specially designed software, the surgeon dons a headset through which he or she can see and manipulate images. A force field tracks the surgeon's hands and provides a realistic sense of touch. Another component, the Human Patient Simulator, reproduces more than 80 physiological events, ranging from labored breathing to decreased heart rate, and enables students to practice on a "real" body.

The College of Medicine graduates about 110 physicians annually, and all of them are expected to use the Virtual Hospital. The Milton S. Hershey Trust and Foundation gave Penn State \$50 million to establish the medical center in 1963. The Eberlys' gift is the second largest in the medical center's history.

Robert and Elouise Eberly, and the Eberly Family Foundation, each gave \$100,000 to the medical center in 1992 as part of a successful campaign to raise \$10 million for a biomedical research building. In 1994, the Robert E. Eberly Foundation endowed a professorship in nursing at Penn State Fayette. The Eberly family also has made donations to help build the Paterno Library addition and The Bryce Jordan Center at University Park, endow scholarships for Penn State Fayette students, and develop the recently dedicated Hobby-Eberly Telescope, a joint Penn State-University of Texas venture.

The family's largest gift to Penn State came in 1987 in the form of a \$10 million commitment to support science education and research. Eight faculty chairs were established, each with million-dollar endowments. The remainder of the gift was evenly divided between creating endowments to support science education at the Fayette campus and biotechnology research and development. To recognize the Eberlys' generosity, the University's Board of Trustees named the Eberly College of Science in 1990 — the first Penn State academic unit to bear the name of a private benefactor. The gift also came during The Campaign for Penn State, the University's first major capital campaign. Robert Eberly served as treasurer of that effort, which raised \$352 million in gifts for academic purposes between 1984 and 1990. Eberly currently serves as an honorary chair of the University's forthcoming capital campaign.

Robert Eberly earned a bachelor's degree in chemistry in 1939 and eventually joined his father, Orville Eberly, in their Uniontown-based oil and gas exploration business, which later became Eberly and Meade. The family was instrumental in marshaling community support that led to the founding of the Fayette campus in 1965. Robert Eberly also engaged in banking and retired as chairman of Gallatin National Bank in 1990. Penn State in 1972 named him a Distinguished Alumnus, the highest award it can bestow on its graduates.

Carolyn Eberly Blaney and Margaret Eberly George also are active in philanthropic affairs throughout southwestern Pennsylvania, especially in the realm of education.



Enjoyed it while he could

Steve Browne, associate professor of speech communication, took advantage of the recent warm spell last week outside the Palmer Museum of Art on the University Park campus. Browne, who was catching up on his research on the anti-slave and women's rights movements, will have to move his work indoors. "Old Man Winter" is back with a vengeance and 30-degree temperatures.

Photo: Greg Grieco

Commission for Women seeks nominations to honor outstanding leaders

"Women in Leadership" is the theme of the annual Commission for Women Banquet, scheduled for March 16 at The Nittany Lion Inn on the University Park campus. As part of the evening, three women will be honored for outstanding leadership. The commission is currently seeking nominations for those recognition awards.

Recognition awards will be given for outstanding achievement in a number of areas, which could include education, industry, volunteering, government, arts, communications, athletics, engineering and science. The nominee, which can also be a student, must possess a record of being an active mentor, especially for women, and can be from any Penn State location or surrounding communities, but must have some connection (past or present) to the University.

Nominations should be sent, along with a one-page statement documenting why the person deserves recognition, to Barbara Bogue (bbogue@engr.psu.edu) or Nancy Witherite (nswd@engr.psu.edu) or to either Bogue or Witherite in 241 Hammond Building, University Park.

The Commission for Women is also currently seeking nominations for the Rosemary Schraer Mentor Award, given to a University employee who has excelled in helping others recognize and achieve their potential professionally and personally. Nominations for this award are due by Jan. 23 and should be sent to Nancy Herron, Commission for Women, 311 Grange Building, University Park, Pa. 16802. Additional information and nomination forms for the Rosemary Schraer Mentoring Award are available by calling the commission at (814) 863-7696.

Technical service workshop coming in February

The Commission for Women is offering its Fourth Annual Technical Service Workshop for employees on Thursday, Feb. 29, in Johnston Commons on the University Park campus. Registration forms are available by calling (814) 865-0277.

This free workshop, which will feature panel discussions and an open forum with Gary Schultz, senior vice president for finance and business/treasurer, is being offered both in the morning and afternoon and is designed to help participants explore non-traditional occupations. The workshop also will assist participants in developing strategies for balancing work and personal life. Participants may sign up for the morning session, which begins at 8:15 a.m. and ends with an 11:15 a.m. lunch/open forum. The lunch/open forum also kicks off the afternoon session, which runs until 3:15 p.m. Both sessions include a group of panelists discussing "Women in Non-Traditional Jobs" and a session covering "Resume Skills."

Registration is limited to full-time technical service employees. Space is limited, so participants are encouraged to register early. For more information, contact Linda Spangler from the commission at the number listed above or by e-mail at lsk1@psu.edu.

Applicants sought for Administrative Fellows Program

Applications for those interested in the Administrative Fellows Program for 1998-99 are still available. The forms, due Jan. 30 in the Office of the Vice Provost for Academic Affairs, can be found on the Web at www.ohr.psu.edu/pages/apppsu.pdf or can be obtained by calling (814) 863-7494.

Developed more than a decade ago jointly by the Office of the President and the Commission for Women, the Administrative Fellows Program is designed to help advance talented Penn State employees into leadership positions. Fellows work with a senior administrator in a mentoring relationship, learning the ropes, participating in decision-making processes and increasing their awareness of issues in higher education.

This year, Fellows will be selected to participate in various areas, under the mentorship of one of the following three administrators:

- Rodney Erickson, vice president for research and dean of the Graduate School;
- James Ryan, vice president for Outreach and Cooperative Extension;
- Gary Schultz, senior vice president for finance and business/treasurer.

LECTURES

Explore Frontiers of Science through talks

"The Human Brain and the Human Mind" is the topic of the spring semester 1998 Penn State Lectures on the Frontiers of Science. Designed for the enjoyment and education of central Pennsylvania residents, the lectures take place on eight consecutive Saturday mornings from 11 a.m. to about 12:30 p.m. in the Kern Graduate Center auditorium on the University Park campus.

The second lecture in the series, "Learning and Memory," will be given on Jan. 17 by Jonathan R. Day, assistant professor of biology. Day is a neuroendocrinologist whose research involves interactions between sex steroid hormones and the brain. Recent results from his research program have shown that these hormones might be useful for treating age-related neurodegenerative syndromes. During his lecture, Day will discuss human learning and memory from cellular and molecular points of view, beginning with simple animal models and the basic architecture of neural circuits involved in the formation of memories in the human brain. He will conclude with a discussion of Alzheimer's disease pathology and future therapeutic interventions.

The remaining events in the spring 1998 Penn State Lectures on the Frontiers of Science include:



JONATHAN R. DAY



■ Jan. 24: "Intellectual Development Throughout the Adult Life Span," by K. Warner Schaie, Evan Pugh professor of health and human development and director of the Penn State Gerontology Center.

■ Jan. 31: "Genetics of Human Behavior," by Gerald E. McClearn, Evan Pugh professor of health and human development and director of the Penn State Center for Developmental and Health Genetics.

■ Feb. 7: "Genetics of Human Diseases," by Ellen Hess, assistant professor of neuroscience and anatomy.

■ Feb. 14: "Attention Deficit Disorders," by Robert E. Kennedy, clinical psychologist and neuropsychological consultant at Centre Community Hospital.

■ Feb. 21: "Schizophrenia," by Anthony A. Grace, professor of neuroscience and psychiatry at the University of Pittsburgh.

■ Feb. 28: "Medicines for the Mind," by Joan M. Lakoski, associate professor of pharmacology and anesthesia.

The Penn State Lectures on the Frontiers of Science are sponsored by the Penn State Eberly College of Science. For more information call (814) 863-8453 or (814) 863-4682 or e-mail science@psu.edu.

Author to critique history textbooks

James Loewen, author of *Lies My Teacher Told Me*, brings his critique of high school American history textbooks to Penn State Harrisburg's Capital Union Building at 6 p.m. Wednesday, Jan. 21.

A sociology professor at the University of Vermont, Loewen's discussion is being sponsored by the College Minority Academic Excellence Program and the Black Student Union with support from the student activities fee.

Loewen spent two years at the

Smithsonian studying the 12 most commonly used high school-level American history textbooks. What he found was that parts of history were omitted and, he claims, what the texts do cover is couched in a simplistic manner which perpetuates social and political biases.

The authors of American history books, he contends, are overwhelmingly more concerned with supporting the "status quo" than with telling history. He places much of the blame with "anonymous" textbook review boards.

Chemical Engineering plans diverse topics for seminars

The Department of Chemical Engineering has a variety of topics planned for its spring 1998 Seminar Series. All seminars will be held at 10 a.m. in 140 Fenske Laboratory on the University Park campus. Host for all seminars is Ali Borhan, associate professor of chemical engineering.

The scheduled seminars are:
■ Tuesday, Jan. 20: "Particle-Tracking Microbiology of the Cell," Denis Wirtz, Johns Hopkins University.

■ Tuesday, Feb. 3: "Phase Transitions in Thin Polymer Films," Sanat Kumar, professor of materials science and engineering at Penn State.

■ Tuesday, Feb. 10: "From Model Surfaces to Catalysts (and back)," Mark Barteau, University of Delaware.

■ Tuesday, Feb. 17: "Molecular Modeling for Engineering Design and Materials Development," Paul Mathias, Aspen Technology Inc., Cambridge, Mass.

■ Tuesday, Feb. 24: "Biomolecular Engineering," Stephen W. Drew, Merck Co.

■ Tuesday, March 3: "Characterizing Nitric Oxide Exchange Dynamics in the Lungs," Steven C. George, University of California-Irvine.

■ Tuesday, March 24: "Solved and Unsolved Mysteries: Novel Instabilities in Surface-Active Spreading Films," Sandra M. Troian, Princeton University.

■ Tuesday, March 31: "Supercritical Fluids as Polymer Processing Aids," Esin Gulari, Wayne State University.

■ Tuesday, April 7: "The Dynamics of Protein Adsorption at the Oil-Water Interface from Total Internal Reflection Fluorescence Microscopy," C. J. Radke, University of California-Berkeley.

■ Tuesday, April 21: "Stabilization and Collapse of Capillary Surfaces: Dynamics of Liquid and Film Bridges," Paul H. Steen, Cornell University.

For more information, call Sandra Brown at (814) 863-4961 or e-mail smbche@engr.psu.edu.

Speakers Series features scientist who cloned sheep

The Penn State Distinguished Speakers Series continues this semester with a rescheduled appearance by basketball great Magic Johnson and a Jan. 22 talk by cloning pioneer Ian Wilmut.

■ Ian Wilmut, 8 p.m. Thursday, Jan. 22
Wilmut, a member of the Roslin Institute of Scotland, will discuss the future benefits of cloning technology in Eisenhower Auditorium on the University Park campus.

Wilmut found himself thrust in the international spotlight when his research produced the first successful clone of an adult mammal — a Finn-Dorset lamb named Dolly. A new frontier in science opened wide.

Wilmut, a doctoral graduate from Cambridge University, is one of the foremost authorities on biotechnology and genetic engineering. From designer lab animals to gene therapy to wonder drugs produced in cow's milk, cloning has lead to advances in every scientific arena.

With exclusive video of the Dolly Experiment, Wilmut will offer a fascinating peek into the world of cloning technology. His presentation is supported through the student activities fee. Tickets are not required.



IAN WILMUT

■ Earvin "Magic" Johnson, 8 p.m. Monday, Feb. 9

Magic Johnson, three-time NBA "Most Valuable Player," has rescheduled his appearance. Johnson, who had to cancel his Sept. 22 appearance, will speak at Eisenhower Auditorium.

During his 12-year career, Johnson led the Los Angeles Lakers to five NBA championships and nine appearances in the NBA finals. He earned All-NBA First Team honors nine times and participated in 11 All-Star Games. Johnson concluded his career as the league's all-time assist leader.

As an athlete, an entrepreneur and an HIV survivor, Johnson will speak on overcoming adversity.

Penn State faculty, staff and students may obtain tickets at the Eisenhower box office starting Monday, Feb. 2. Tickets are free, but available only to those with a valid Penn State ID. Any remaining tickets will be free and available to the general public on Tuesday, Feb. 3, on a first-come, first-served basis. The Eisenhower box office is open from 8:30 a.m. to 4 p.m. Autographs will not be available.

For more information on either event, contact the Office of Student Activities at (814) 863-3786.

More Lectures

Biomedical research talk slated in Hershey

Dr. Vivian W. Pinn, of the National Institutes of Health, will speak at 4 p.m. Wednesday, Feb. 11, in the Hospital Auditorium at The Milton S. Hershey Medical Center. She will discuss "Biomedical Research: Why Women and Minorities Should Care."

Pinn was named associate director of the NIH for Research on Women's Health in February 1994. She is the first full-time director of the Office of Research on Women's Health at the NIH, an appointment she has held since November 1991. Pinn came to the NIH from Howard University College of Medicine in Washington, D.C., where she had been professor and chair of the Department of Pathology since 1982.

Pinn earned her B.A. from Wellesley College in Massachusetts, and received her M.D. from the University of Virginia School of Medicine in 1967, where she was the only woman and only minority in her class. She returned to Massachusetts to complete her postgraduate training in pathology at the Massachusetts General Hospital on an NIH



VIVIAN W. PINN

research training grant, during which time she also served as a teaching fellow at the Harvard Medical School.

Pinn joined the faculty of Tufts University School of Medicine and Tufts New England Medical Center Hospital in 1970, where she held various positions. She is a member of longstanding

in many nonprofessional and scientific organizations, in which she has held many positions of leadership. She also served as a member of the Executive Committee of the Association of American Medical Colleges from 1991-1993.

Pinn has received numerous honors, awards and recognitions. In October 1994, she was inducted as a Fellow of the American Academy of Arts and Sciences and, in October 1995, was elected to the Institute of Medicine.

Pinn's lecture is sponsored by the Student National Medical Association, the College of Medicine and Penn State's EOPC Planning Committee. Her appearance is part of the celebration of Black History Month.

Institute to aid directors of cooperatives

New and incumbent directors of cooperatives can sharpen their business and organizational skills by attending the 1998 Pennsylvania Cooperative Director Institute Jan. 27-29 at the Penn State Conference Center and Hotel on the University Park campus.

The institute will feature more than 15 sessions and informal discussions on topics such as cooperative finance, legal issues for cooperative directors, developing internal controls and environmental concerns. Speakers will include university specialists, cooperative staff and business leaders.

For program details or registration information, call Richard Poorbaugh at (814) 863-0644 or e-mail rwp2@psu.edu.

Leadership conference planned for Feb. 24

Penn State's AT&T Center for Service Leadership is sponsoring a leadership conference on Tuesday, Feb. 24, at the Penn State Conference Center Hotel.

The keynote speaker is Robert Joaquin Willis, founding pastor of the Amistad United Church of Christ of Upper Marlboro, Md. Previously, the Rev. Willis served as co-chair of the District of Columbia Healthy Family Thriving communities steering council and is a founding partner and board chairman of Professional Dynamics Inc., a leadership consulting firm that specializes in leadership development, education and training for individuals and organizations.

The schedule for the day includes the keynote talk at 9 a.m., followed by several skills sessions, lunch and a closing at 3:45 p.m. To receive a copy of the registration form, send e-mail with your campus address or fax number to Cindy Rudy at cr2@psu.edu. Cost is \$50 for professionals and \$30 for students. Registration deadline is Friday, Feb. 13.

Ethics of lawyer-accountant partnerships explored

Laurel S. Terry, a faculty member The Dickinson School of Law of The Pennsylvania State University, will speak on "Mixing Lawyers and Accountants: Is One-Stop Shopping Dangerous?" at 7:30 a.m. Wednesday, Feb. 25. The talk is part of the Breakfast with Penn State series at Penn State Berks. Terry will discuss various issues related to multidisciplinary partnerships between lawyers and accountants, which also is the subject of her upcoming sabbatical project.

Should lawyers and accountants be permitted to be partners in the same firm? Most U.S. states find that such multidisciplinary partnership violates state's legal ethics rules. Yet the "Big Five" accounting firms seem set on providing one-stop shopping. Pressure on U.S. states to change their ethics rules may come not only from the accounting firms and lawyers sympathetic to such one-stop shopping, but also from the World Trade Organization, according to Terry.

The Breakfast with Penn State series is held monthly during each semester at the Perkins Student Center at Penn State Berks. The event is free to the public. A continental breakfast is served at 7:30 a.m. in the Freyberger Gallery. For reservations, call Doris Fraser at (610) 396-6050.

Lecture series to focus on urban social geography issues

As part of the Glenda Laws Memorial Lecture Series this spring on the University Park campus, six lectures will be held. The series, sponsored by the Department of Geography, kicks off Monday, Jan. 26, from 12:15 to 2 p.m. with a talk on "Teen Moms, Welfare Moms, Executives: Geographies of Lone Mothers in Toronto." The lecture, by Kim England of the University of Toronto, will be held in the Earth and Mineral Sciences Museum Gallery, Steidle Building.

Also part of the series are the following talks:

■ Monday, Feb. 9: Mark Hayward will discuss "The Long Arm of Social Class: The Relationship of

Childhood Socioeconomic Status and Late Life Health," at 12:15 p.m.

■ Friday, Feb. 20: Jennifer Wolch will talk about "Urban Poverty and the Production of Place," at 4 p.m.

■ Monday, Feb. 23: Michael Dear will discuss "Seeing People Differently: Hierarchies of Acceptance of People with Disabilities," at 12:15 p.m.

■ Monday, March 2: Andrew Herod will discuss "The Geopolitics of Labor: Trade Union Housing Cooperatives and U.S. Foreign Policy in Latin America and the Caribbean," at 12:15 p.m.

■ Monday, March 16: Joni Seager will give a presentation on "What's Gender Got to Do With It? Feminist Perspectives in Environmental Analysis," at 12:15 p.m.

This lecture series is named in honor of Glenda Laws, associate professor of geography, who died suddenly in 1996 from a brain hemorrhage. Her research focused on issues of urban social geography and social justice, specifically among marginalized groups in society, including the mentally ill, the poor and homeless, women and the elderly.

For more information about any of the lectures, contact Amy Glasmeier, (814) 865-7323.

United Way campaign celebrates record-breaking year

The Centre County United Way campaign had another record-breaking year in 1997, raising \$1,510,768. Of that amount, \$475,395 came from the University's United Way drive.

The United Way surpassed its 1997 goal of \$1.45 million.

J.D. Hammond, dean of The Smool College of Business Administration and chairman of the Univer-

sity Park United Way campaign, said several Penn State divisions and colleges achieved notable increases in their dollar amounts raised and in employee participa-

tion rates, including: University Safety; Housing; Development and Alumni Relations; College of Business; and the College of Agricultural Sciences.

REMEMBERING MARTIN LUTHER KING JR.

Town-gown events planned at University Park

Penn State and the surrounding State College community will celebrate the Martin Luther King Jr. federal holiday with events featuring King's daughter, local elementary students, Penn State students and visiting scholars. The celebration week begins Monday, Jan. 19, with a commemorative bell ringing ceremony at 11:30 a.m. in Old Main.

Scheduled public events include:

- A commemorative bell-ringing ceremony on Monday, Jan. 19, at 11:30 a.m. in Old Main. Local elementary school students will read letters written to the slain civil rights leader, Our Lady of Victory Bell Choir and vocalist Terry Dowd will perform;

- A presentation by Yolanda King, daughter of Martin Luther King Jr. and performances by the Voices of Joy choir and Nommo Performing Arts Company on Monday, Jan. 19, at 7:30 p.m. in Eisenhower Auditorium;

- A volunteer fair on Tuesday, Jan. 20, from 11:30 a.m. to 3 p.m. in the HUB Ballroom;

- A Volunteer Centre celebration and the Ann Cook Award presentation for outstanding community service on Tuesday, Jan. 20, at 7 p.m. in The Nittany Lion Inn;

- A student involvement fair on Wednesday, Jan. 21, from 10 a.m. to 4 p.m. in the HUB Ballroom and Fishbowl;

- The presentation "Affirmative Action: Neither Black Nor White," by Frank H. Wu, associate professor at the Howard University School of Law;

- A State College Area Food Bank Drive on Monday, Jan. 19, from noon to 4 p.m. Penn State students will collect, sort and bag food;

- Mid-State Literacy Council volunteer projects on Monday, Jan. 19, from noon to 4 p.m., Wednesday,

Jan. 21, from 6:30 to 8:30 p.m. and Saturday, Jan. 24, from 10 a.m. to 2 p.m. Penn State students will read to children and record stories on cassette, assist with mailings and help organize the library;

- Penn State Housing volunteer projects on Monday, Jan. 19, from 2:30 to 5:30 p.m., Wednesday, Jan. 21, from 6:30 to 8:30 p.m. and Sunday, Jan. 25 from 2 to 5 p.m. Penn State students will prepare for the Spring Festival Parade;

- A community volunteer fair on Friday, Jan. 23 at the Nittany Mall.

At the heart of many of Dr. King's messages was the belief that, "Everyone can be great, because everyone can serve." For more information on King celebration events, or to find out how you can serve, contact the Office for Educational Equity at (814) 865-5906, or Penn State's AT&T Center for Service Leadership at (814) 863-4624.

Commemorative lecture at Erie

As part of a continuing celebration honoring Martin Luther King Jr., Penn State Erie, Behrend College, will host African-American novelist, screen writer and book reviewer Charles Johnson on Monday, Jan. 19, at 4 p.m. Johnson's presentation, "The King We Left Behind," will take place in the Reed Union Building Commons. It is free to the public.

Johnson is the Pollock professor of English at the University of Washington. His novel *Middle Passage* won the National Book Award for 1990. He recently completed *Black Men Speaking*, which he co-edited with John McCuskey Jr., and is currently writing a novel centering on events in the life of Martin Luther King Jr. The novel, *Dreamer*, is scheduled for publication in 1998. In addition to his historical research, Johnson also looks at the meaning of King's life as it relates to deeper questions on the nature of moral action, what it means to be human and cultural identity.

Johnson's presentation continues the 1997-98 Penn State-Behrend Speaker Series, sponsored by the Penn State-Behrend Office of Student Affairs. His lecture will be taped by the college's radio station, AM 1450/WPSE, for rebroadcast at a later date. For more information, please contact the Penn State-Behrend Office of Student Affairs at (814) 898-6111.

Delaware County activities set

Faculty, staff and students at Penn State Delaware County have the opportunity to attend several programs and events honoring the vision of slain civil rights leader Dr. Martin Luther King Jr. The theme for the celebration is "Moving Beyond the Dream."

- "Learn!" is the theme on Monday, Jan. 19, starting at 12:30 p.m. in the Student Lounge of the Main Building. Guest speaker will be U.S. District Court Judge Louis J. Pollak. Pollak will discuss his challenging and rewarding experiences arguing the Freedom Ride case before the United States Supreme Court in 1964, in his presentation "Reliving the Freedom Ride." This landmark case challenged the "Jim Crow" laws of racial segregation that dominated the South.

Pollak is a member of the U.S. District Court in Philadelphia and former dean of the Yale Law School and the University of Pennsylvania Law School.

- Wednesday, Jan. 21, wraps up the celebration with "Act!" starting at 12:30 p.m. in the Student Lounge of the Main Building. Students will be able to participate in hands-on community service projects.

All events are free to the public, and are sponsored by the Penn State Black Student League and Penn State Service Corps.

Altoona to hold daylong celebration

Penn State Altoona will honor the memory of Dr. Martin Luther King Jr. with a daylong celebration that includes an awards ceremony for community members and a visit from award-winning journalist Sam Fulwood.

As part of the college's Distinguished Speaker Series, Fulwood will discuss "Waking from the Dream: My Life in the Black Middle Class" with students, faculty and community members at 3:30 p.m. Sunday, Jan. 18, in the Steven A. Adler Athletic Complex.

Fulwood, a Washington correspondent for the *Los Angeles Times* and Pulitzer Prize-winning author, represents a group of Americans from whom we rarely hear — children of civil rights crusaders. They were raised to believe that by the time they reached adulthood, the color of their skin would be inconsequential to their standing in society. Now in the thirty-something range, they recognize the error of that belief.

His first book, *Waking from the Dream: My Life in the Black Middle Class*, is an autobiographical exploration of these and other issues. His story is one of disappointment experienced as an adult upon discovering that race would always be the most vital component of his identity. Fulwood's appearance is only one of several events slated for Dr. Martin Luther King's birthday.

African-American community members who have spent a large portion of their time volunteering and helping the community will also be honored. In addition, several community and student groups will perform. The Division of Student Affairs at Penn State Altoona provides the Distinguished Speaker Series as a student and community service. The series is open to the public, but tickets are required. Tickets may be picked up at the Penn State Altoona Bookstore from 8 a.m. to 4:30 p.m. Tuesday through Friday and from 11 a.m. to 2 p.m. on Saturday.

Great Valley to hold King events Jan. 19-23

Penn State Great Valley celebrates Martin Luther King Jr.'s life during the week of Jan. 19, with demonstrations by local artists, musical performances, and a presentation by actor/writer Ossie Davis.

- Monday, Jan. 19, 4:30-5 p.m. in the Main Lobby: "Showtime," West Philadelphia Drill Team.

- Tuesday, Jan. 20: Main Lobby, 4-6 p.m., Dane Tilghman, premier painter of African-American golf art and Negro League Baseball images.

- Wednesday, Jan. 21: Main Lobby, 4:30-5 p.m., choral singing group.

- Thursday, Jan. 22: Main Lobby, 4-6 p.m., "Cuddles Collectibles," featuring the "Ebony Collection." African American retail collectibles.

- Friday, Jan. 23: From 1:30-2:30 p.m. in room 130, Ossie Davis, actor/writer, will address the public.

New Kensington plans a variety of events

Penn State New Kensington will sponsor the following events in celebration of Dr. Martin Luther King Jr.'s birthday:

- Monday, Jan. 19: Birthday cake and punch for faculty, staff and students, noon, Theatre Lobby

- Friday, Jan. 23: Luncheon in honor of Dr.

King's birthday, 11:30 a.m., Art Gallery; \$7 per person

- Friday, Jan. 23: Musical performance featuring two high school choirs, 12:30 p.m., Theatre; admission is free

For more information, call the Office of Student Affairs at (412) 339-5404.

Behrend freshmen build and race electric cars in hands-on course

First semester freshmen at Penn State Erie, Behrend College, can learn — right from the start — the sort of problem-solving skills required for a career in engineering. They experience teamwork, take responsibility for their own learning, follow guidelines and meet deadlines. And while they're at it, they build electric cars.

William Lasher, associate professor of mechanical engineering, and Thomas Hemminger, assistant professor of electrical engineering, created an innovative new way to teach an old course. The redesigned course introduces students to the type of open-ended problems they will meet on the road to becoming successful engineers. The course was taught by Lasher and Hemminger for the first time this past fall. The team will teach it together for at least the next three semesters, including the current one.

Students work in groups to build model cars designed to get the top speed for the least cost and maintain a constant rate of speed under varying conditions. At the end of the course, they compete to determine which team's car is the most efficient. The cars are connected to a computer which measures the constancy of the velocity and plots it on a graph, providing an immediate and irrefutable race result.

Lasher and Hemminger share the teaching and lab duties for the three-credit course, "Introduction to Engineering Design."

"In addition to providing an experience that draws out the creativity of our students, we are employing the resources of both the mechanical and electrical engineering programs," said Hemminger.

The course applies fundamental concepts pertaining to both disciplines and has the added benefit of being taught by professors from two programs.

"We give the students certain parameters to follow as they begin to design their cars," said Hemminger. Car designs are reviewed periodically throughout the semester.



On your mark

Students Michael Ensley, Michael Fiamio, Carrie Matson and Tricia Michel prepare to race their electric car for a final grade in the "Introduction to Engineering Design" course at Penn State Erie, Behrend College.

ter to make sure the students are following good engineering practices.

The school provides some of the parts for the cars, including a small motor, a set of gears and several electronic components. Students provide the platforms for their cars, as well as axles, wheels and fasteners.

Last semester, cars were made of Styrofoam, balsa wood, plastic, metal and even cardboard.

Lasher and Hemminger use a basic spreadsheet to help students understand the relationship between torque, speed and energy.

"High torque draws too much on the battery," said Hemminger, "so the students quickly learn that lower torque can be much more effective."

The students evaluate several types of batteries, measuring current capacity, weight and cost to determine the best power source for their needs.

A very challenging part of the model car is the cruise control, since control systems is a course usually taught in the junior year.

"Teaching freshmen about control systems is difficult because they

haven't had advanced math necessary for proper analysis. But after concentrating on just what was necessary and making comparisons to some real-life applications, the students last semester absorbed the information well," said Hemminger.

"Because the problems we present with are open-ended, students usually have fun developing a solution," said Lasher.

Freshman Rachel Hinterlang expected to learn what engineering was like when working in groups.

"I knew we would have specifications and would have to meet them," Hinterlang said. "I learned that things aren't always what you expect and what you plan. But there is always another answer, and when you work with a group, someone will have the answer."

It appears to be satisfying for the professors, too.

"I'd like to think of this as a model class for future endeavors," said Hemminger. "It provides an excellent example of engineering work and it helps focus the students' goals and objectives for their education."

EMPLOYEE BENEFITS

A regular column provided by the Office of Human Resources

Prudential dental claims office relocated to N.Y.

Prudential Health Care, the claims administrator of the Penn State Dental Plan, has relocated its claims office from Monroeville, Pa., to its National Service Center in Albany, N.Y. While claims sent to the Monroeville address will be forwarded to Albany, claim payments will be expedited by sending the claims forms directly to the National Service Center. The new address for dental claims is: Prudential Dental Claims, P.O. Box 15202, Albany, N.Y. 12212-5202.

Prudential also now has a new toll-free number for customer service, and has extended its hours of operation. Faculty and staff may reach a customer service representative between 8 a.m. and 8 p.m., Monday through Friday, by calling (800) 297-7222.

MPDP drug plan change in effect as of Jan. 1

Faculty and staff are reminded that effective Jan. 1, the University Health Services Pharmacy at University Park began handling all prescriptions covered through the Maintenance of Prescription Drug Plan (MPDP). While the provisions of the plan have not changed, it is important to note this change in the mailing address to avoid delays in having prescriptions filled. To ensure the accuracy of the prescriptions and the safety of MPDP participants, those who previously used the pharmacy at The Milton S. Hershey Medical Center will need to provide a new prescription when ordering medication for the first time from the University Health Services Pharmacy.

Courses

Health Matters programs

To register for the following program offerings on the University Park campus, please see your Health Matters brochure or contact Jan Hawbaker at 865-3085 or JQH3@psu.edu.

■ Gaining Control of Your Life and Illness

If you have a chronic disease such as asthma, diabetes, bronchitis, multiple sclerosis or allergies you can take steps to remain happy and healthy. Meets

Friday, Jan. 23, from noon to 1 p.m., 110 Henderson Building (The Living Center). Free.

■ Meditation

Each session includes tips for achieving optimal health, followed by a weekly guided visualization and meditation. Meets Thursdays, Jan. 22-March 5, noon to 1 p.m., 110 Henderson Building (The Living Center). Cost: \$35. HealthAmerica HMO reimbursement.

■ Tai Chi (ongoing series)

Tai chi, an ancient Chinese discipline, consists of performing a series of slow and controlled movements. Meets Mondays and Wednesdays, Jan. 19-March 4, noon to 1 p.m., Frizzell Room, Eisenhower Chapel. Cost: \$70.

■ Tai Chi—Introduction to the Five Animal Frolics
Come learn the Five Animal Frolics, a system of exercises that exemplify the principle of Tai Chi in a basic form.

People of any age or physical fitness level can participate. Meets Tuesdays and Thursdays, Jan. 20-March 5, noon to 1 p.m., Frizzell Room, Eisenhower Chapel. Cost: \$70.

■ Weight Watchers AT Work

Section 1 meets Tuesdays, through March 10, noon to 1 p.m., 520 Rider Building; Section 2 meets Wednesdays through March 11, Paul Robeson Cultural Center. Cost: \$115 per 10-week session.

Faculty/Staff Alerts

Involvement Fair

On Wednesday, Jan. 21, hundreds of students at University Park are expected to attend the Student Involvement Fair from 10 a.m. to 4 p.m. in the Ballroom and Fishbowl at the Hetzel Union Building.

More than 180 student organizations and academic departments will display information about their programs and talk to students about how to join. The annual Student Involvement Fair is sponsored by Unions and Student Activities and the University Park Allocation Committee.

Dinner reservations

Dinner reservations are now being accepted for the annual Australia-New Zealand Studies Center's dinner featuring an Australian menu to commemorate national days for both New Zealand and Australia. The dinner will be held at 6:30 p.m. Friday, Jan. 30, at The Nittany Lion Inn.

Australia Day, Jan. 26, marks the 1788 arrival of the First Fleet, which established European settlement, and Waitangi Day, Feb. 6, which recognizes the foundation treaty of 1840 that spelled out relationships between the Maori people and the British Crown.

Featured on the evening's program will be a recital by Tim Deighton, a New Zealand violinist and violist who formerly played in the New Zealand Symphony Orchestra, and Ann Deighton, a concert pianist. Both are new to Penn State and plan a recital and master class tour of New Zealand in 1998.

Preregistration for the dinner is required. Tickets are \$24 each and a vegetarian menu is available on request. To register, contact the Australia-New Zealand Studies Center, 427 Boucke Building, by phone at (814) 863-1603, by e-mail at pa9@psu.edu or by fax at (814) 865-3336. Checks may be made out to the Australia-New Zealand Studies Center and sent to the center.

Funding deadline

The Institute for the Arts and Humanistic Studies has announced the proposal deadline for the next funding period, July-December 1998. Proposals for Individual Faculty Grants, Faculty Research Groups and Planned Programs are due at Hilseng Cottage on the University Park campus by 5 p.m. Monday, March 2. Guidelines for the grant proposals can be obtained from 103 Hilseng Cottage or by calling (814) 865-0495.

Federal Express prices

On Jan. 1, Federal Express prices increased. For the past three years, Penn State and Federal Express have enjoyed a good working relationship, and the University's contract for services will continue for the next three years, according to Greg Ascuitto, Mailing Services. Anyone with questions should contact Ascuitto at 865-4051.

Collaborators sought

Faculty and staff interested in collaborating with their colleagues at the University's key partner institutions in South Africa are asked to submit proposals for seed funding. Eligible partner institutions are the University of the Western Cape, the University of Cape Town and the University of the Witwatersrand. Three awards in the range of \$8,000 to \$13,000 each are anticipated.

This funding is being made available to encourage faculty and staff to build on existing relationships by developing integrated projects combining two or more of the following components: curricular initiatives, human resource development, research collabora-

tion and capacity building. Projects should be conceived to leverage the seed grant toward external funding for a larger project with long-term sustainability entailing lasting benefits and/or positive institutional change at the participating universities.

Inclusion of faculty who have not had any international education experience at Penn State is encouraged.

Proposal deadline is March 2, with a project implementation start date of June. For more information or to request applications, call Lillian Shyu, senior program officer, or Pam Gudeman at International Partnerships and Academic Linkages at (814) 865-0414.

Proposals sought

The Center for Excellence in Learning and Teaching is seeking grant proposals for projects to improve undergraduate education at Penn State. The deadline for proposals is March 20.

The center hopes to make many awards in the range of \$3,000 to \$5,000, although requests for up to \$10,000 will be considered. The source of the funds is the Office of Undergraduate Education's Grant for Excellence in Learning and Teaching (FELT), which the center oversees.

The center is looking for proposals for projects that could make a lasting impact on undergraduate education. The projects should involve a range of good practices, including:

- increasing student-faculty contact;
- encouraging active learning;
- respecting diverse learning styles;
- collaborating across disciplines at the general education level; and
- making smart use of information technology.

The center also is interested in proposals with an international or multicultural emphasis. Proposals will be reviewed by a committee consisting of representatives from various segments, including the Commonwealth College. For guidelines and applications forms, contact the center at (814) 863-2599.

Career sites needed

The Commission for Women is now in the planning stages for a morning program for Take Our Daughters to Work Day, which will be held on Thursday, April 23. Letters were sent to all administrative areas at University Park to solicit areas interested in being career sites for the program. Each young woman participating in the program will be able to select and visit three sites; the visits will provide a chance to explore career opportunities in that area. The young women (grades 6-12) will visit each site for 45 minutes. If your department or unit is interested in being a career site for Take Our Daughters to Work Day and would like more information, please contact Debbie Meder at 865-1821 or dmm4@psu.edu by Jan. 23.

More information will be provided at a later date on how University Park employees and their daughters can participate in this program.

Males needed for study

Males between the ages of 39 and 60 are needed to participate in a focus group under a study being conducted by J. Lynne Brown, associate professor of food science. The group will discuss concerns with the use of technology in the dairy and beef industries, bacterial contamination and the safety of dairy and beef products. No prior knowledge is required to participate, however, it is necessary that participants or someone in their household consume milk

products. All University employees and spouses are welcome to respond. The focus group will be held in Borland Laboratory on the University Park campus on a weekday in late January, or possibly February. Participants will receive a \$15 grocery gift certificate for participating. Contact Carolyn at 863-7785 to participate.

Computer trainers sought

The State College Office of Continuing and Distance Education is looking for faculty, staff and graduate students to serve as part-time instructors of computer training courses. Most courses are six hours long, "hands-on" and focused on PC-based word processing, database and spreadsheet applications, among others.

Approval to serve in this capacity is based on a review by the appropriate academic college of the applicant's educational credentials and instructional experience. Contingent upon supervisors' approval, extra compensation is paid to part-time instructors. To request application materials, contact Kristy Catalano at kxb1@cde.psu.edu or (814) 863-0229.

Just a reminder...

With another tax year completed, it is important for all employees who either are leaving Penn State and not planning to return in the spring or have had an address change to file a new W-4 form with payroll. This is needed to ensure receipt of W-2 forms for the 1997 tax year.

It is important when completing a new W-4 to complete the entire form. Because this is a replacement form, all information supplied on this form will replace the current information on file, including blanks. The IRS requires that if the withholding information is left blank, the Payroll Office must withhold at the rates for "single" and no withholding allowances — the highest withholding rate.

Current withholding information is printed on both the check stub and the remittance advice for direct deposit.

W-4 forms are available at the Payroll Office, the Office of the Bursar and from human resource representatives.

Statistical help available

The Statistical Consulting Center on the University Park campus is a team of faculty, staff and graduate students in the Department of Statistics that provides statistical support service for new research in various disciplines. Consultants are statistical graduate students, professors and professionals trained in classical and new statistical techniques. Consultants can guide clients in developing strong hypotheses and sound decisions and offer their services to graduate students, faculty and staff involved in research.

During fall and spring semesters, the center can provide two free consulting sessions to graduate students working on master's/Ph.D. research. For faculty and staff, the center provides statistical consulting, as well as a free assessment of the statistical needs of a particular project. The center does not offer consulting services for classroom assignments.

To apply for statistical consulting assistance, individuals must fill out and submit a request form, which can be obtained by telephoning the center at (814) 863-0281; stopping by the center at 323 Thomas Building, Monday through Friday, 9 a.m.-4 p.m.; visiting the Web at <http://www.stat.psu.edu/~scc/>; or by sending e-mail to scc@stat.psu.edu.



Shooting for two

Teams of engineering students at Penn State Abington cheer as the robots they programmed to compete in a "Robo Hoops" contest pick up and shoot a foam ball into a basketball hoop. The basketball game is the culmination of a semester-long project in which students design computer programs that will allow the robots to move and follow commands. The course is taught by Bob Avanzato, associate professor of engineering. Some of Avanzato's students will compete in April in a "Home Robot Competition" to be held at Trinity College in Hartford, Conn.

Photo: Courtesy of Penn State Abington

Penn Staters

Linda C. Angell, assistant professor of operations management in The Smell College of Business Administration, was named the winner of Decision Sciences Institute's 1997 Environmental Issues Paper Award. Angell presented a paper titled "Viridity: The Quality or State of Being Green," at the institute's 28th annual meeting. The paper, co-written with Monika I. Winn, a member of the business faculty at the University of Victoria, is an empirical study of the environmental consciousness of German firms. The research focuses on four categories of environmental management strategy using Mintzberg's strategy development process framework.

Budugur Lakshminarayana, Evan Pugh professor of aerospace engineering, was the invited lecturer at several French universities in October. At Ecole Centrale de Lyon, he talked about "Laser Doppler Velocimeter Flow Measurement at the Exit of a Turbine Rotor" and "Computation of Unsteady Shear Layers Due to Rotor Stator Interaction." At Ecole Nationale Supérieure D'Arts et Metiers in Lille, France, he spoke on the "Investigation of Torque Converter Flow Field."

Cecilia Rusnak, assistant professor of landscape architecture, gave a paper titled "Centerville Borough, Pennsylvania: A Case for Mutually-Defining

Landscapes," at an international conference on historic preservation. The conference, "Interpreting Historic Places: Images, Myths and Identity," was held at the University of York, York, UK.

Kenneth L. Swalgin, assistant professor of kinesiology at Penn State York, recently gave an invited presentation, "Profiling by Gender the Statistical Performance of Division I College Basketball Players in the U.S.," at the Fourth International Olympic Committee (IOC) World Congress on Sport Science in Monte Carlo, Monaco.

David B. Van Dommelen, professor emeritus of art education, is exhibiting his latest fiber work at the Jewish Education Alliance, in Savannah, Ga., through Dec. 28. The show, titled "Genesis & Beyond," features 30 pieces of work. His last exhibition was at the G'vat Chaim kibbutz in Israel.

The Nittany Lion Inn on the University Park campus has been selected to receive the Spirit of Hospitality Award from the Pennsylvania Travel Council. The award is part of Pennsylvania's 1997 Award of Excellence in Community Service. In addition, the inn has also earned a three-diamond rating from AAA, the American Automobile Association — a group with more than 40 million members nationwide.

Libraries offer new services to faculty, staff and students

Online information

The University Libraries has purchased a subscription for all Penn State faculty, staff and students to UMI ProQuest Direct. ProQuest Direct provides online access to one of the world's largest collections of information, including summaries of articles from more than 5,000 publications, with many in full text, full image format. Databases available on ProQuest Direct include ABI Inform, Accounting and Tax Database, Banking Information Source, Finance, Newspaper Abstracts, Periodical Abstracts and Telecommunications. A special "retrieve only full text" option allows users to view only those results for which full text is available.

Online access to UMI ProQuest Direct is available through the Web at <http://www.umi.com/pgdauto>. Faculty, staff and students do not need a

password to gain access but must use a Penn State network address to enter. Examples of Penn State network addresses include in-office use, in-Library use, computer lab use, and dial-in use to the Penn State ACCESS server or LIAS system.

LEXIS-NEXIS/UNIVERSE

LEXIS-NEXIS Inc. will soon discontinue offering conventional LEXIS-NEXIS to general academic libraries. In its place, the University Libraries will debut a new service, LEXIS-NEXIS/UNIVERSE.

LEXIS-NEXIS/UNIVERSE is a Web-based system that provides articles from a wide variety of news, company and industry sources, and primary legal research information from all federal and state jurisdictions. Users will be able to search, read and print records from LEXIS-NEXIS/UNIVERSE from any computer terminal

connected to the Internet through a Penn State domain, including Penn State access accounts. Most databases available through LEXIS-NEXIS/UNIVERSE enable users to search full-text.

LEXIS-NEXIS/UNIVERSE is a different product than conventional LEXIS-NEXIS. The Web-based interface is similar to other search engines many users already are familiar with on the Web. Source selection and keyword searching are greatly simplified. Users should note that some files available through conventional LEXIS-NEXIS will not be available through LEXIS-NEXIS/UNIVERSE.

Restrictions on users also will be eased. Access to LEXIS-NEXIS/UNIVERSE will be available to students currently enrolled in degree programs, active faculty and active staff. When it is fully implemented, users will be able to point their Web browsers to LEXIS-NEXIS/UNIVERSE and begin searching without needing a password.

Center for Excellence in Learning and Teaching offers college teaching course

In the spring semester, the Center for Excellence in Learning and Teaching will be offering two sections of the Penn State Course in College Teaching, a popular noncredit course designed for Penn State faculty, teaching assistants and instructors who are either currently teaching or taking a short break from the undergraduate classroom. The seminar provides an interdisciplinary setting for participants to explore issues of

pedagogy, share teaching experiences and discuss some of the relevant literature. Course activities are designed to help participants conduct classroom research and begin building their own individual teaching portfolios. Those who complete the course also are eligible for the CELT certificate.

Section 1 will meet on Tuesdays, Jan. 27-April 1, 12:15-2:15 p.m., in 218A Hosler Building on

the University Park campus; Section 2 will meet on Wednesdays, Jan. 28-April 8, 3:30-5:30 p.m. in 110 Thomas Building. (There will be no sessions the week of spring break.) Pre-registration is required. To register, please call (814) 863-2599 before Jan. 21.

More information on the Penn State Course in College Teaching is available on the Web at <http://www.psu.edu/celt>

Appointments

Capital College welcomes continuing education director

Penn State Capital College's new director of continuing education, Barbara J. Denison, brings a wealth of higher education experience to her new role.

With 15 years in continuing education, Denison has taught and worked at large universities such as Northwestern and smaller colleges such as Lebanon Valley, where she served for the past 10 years. In her most recent Lebanon Valley role, she was director of the Annville-based college's satellite location on the campus of Franklin and Marshall College in Lancaster.

Among her accomplishments was the successful creation of a January mini-term for working adults and a Saturday-only format for a bachelor's degree in business administration. Before her duties in partnership with F&M, Denison held various positions with Lebanon Valley's Continuing Education Office, including director of the Leadership Development Institute and associate director of Continuing Education.

At Penn State Capital College, Denison is responsible for the broad spectrum of programs offered through Continuing Education at both the Harrisburg and Schuylkill locations. A Mechanicsburg resident, she holds a bachelor's degree from Lebanon Valley, a master's from the University of York (England) and a doctorate in sociology from Northwestern University.

Liberal Arts makes two key appointments in Alumni Relations

Chris Gamble has been named assistant to the dean for alumni relations in the College of the Liberal Arts. He will work with the Alumni Society president and board of directors, the college's development staff, and the Penn State Alumni Association in managing and providing leadership for the college's alumni relations program. Gamble will initiate, plan and manage special events, including awards programs and stewardship functions. He will enhance relationships with alumni to increase their involvement in the college.

Before coming to Penn State, Gamble served nine years with the YMCA in New York and Massachusetts directing retreats and conferences for a variety of college, corporate and not-for-profit groups. His experience includes extensive work with volunteer boards, special events management and program design and delivery.

Gamble, a Boalsburg native, received a B.S. degree in mineral economics from Penn State in 1982. After working as a management trainee for Transco Energy Co. in Houston, he returned to Penn

State, earning an M.Ed. in counselor education in 1988.

Linette Courtney has been named associate director of development in the Alumni Relations and Development office, College of the Liberal Arts. She will seek major gifts for undergraduate scholarships, graduate fellowships and faculty and other endowments for the college.

Courtney joined Penn State in 1980 and worked in the offices of Undergraduate Studies and Education Abroad until 1989. From 1989 to 1993 she was assistant director in the Office of Constituent Relations, and was promoted to associate director in 1993. She assisted in managing constituent relations, hosting University guests, identifying donors eligible for recognition, managing the operation of the Mount Nittany Society, coordinating the preparation of The Penn State Annual Report of Private Support and soliciting development prospects.

A native of Harrisburg, Courtney holds a B.S. degree in marketing from Penn State.

Small Business Development Center appoints new counselor/analyst

Donna A. Holmes, business counselor/analyst, has been appointed to staff the new Small Business Development Center in Penn State's Research Park.

The new center, established Oct. 30 as a satellite office of Bucknell University's Small Business Development Center, will provide one-on-one business consultations and information to prospective, new and established small businesses in Centre and Mifflin counties.

Holmes will provide management assistance and business consulting services to current and prospective small business owners at no cost. The business consultation services include business plan development, financial projections, sources of financing, financial analysis, marketing and advertising, market research, information systems, human resources, starting a new business and other business-related topics.

A Centre County resident since 1981, Holmes has more than 14 years of experience in finance including more than seven years of commercial banking experience with local financial institutions. She is a graduate of Penn State and of the Pennsylvania Bankers Association School of Commercial Lending and the PBA School of Banking.

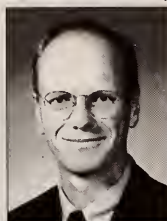
The new center is a member of the statewide Pennsylvania Small Business Development Centers network. It is a cooperative effort of the private sector, the educational community and federal, state and local governments to enhance economic development. The telephone number is (814) 863-4293.



BARBARA J. DENISON



LINETTE COURTNEY



LARS G. LARSSON

General Clinical Research Center welcomes new medical director

Lars G. Larsson has been named medical director of the new General Clinical Research Center facility at Penn State's University Park campus. The facility, based in the College of Health and Human Development, is a component of the General Clinical Research Center of The Milton S. Eshelman Medical Center. Larsson will also serve as the Marie Underhill Noll professor in physiology and clinical neurophysiology and will have a joint appointment with the Hershey Medical Center's Department of Cellular and Molecular Physiology.

Before coming to Penn State, Larsson served as assistant senior physician at Karolinska Hospital's Department of Clinical Neurophysiology in Stockholm, Sweden, and associate professor of physiology at the Karolinska Institute.

Currently occupying a small space within Noll Laboratory, the center will expand into a new facility now under construction and expected to be completed in the summer of 1998.

Larsson and fellow researchers have already begun specific research in the center focusing on the effects of aging on muscular function and the causes of muscular paralysis among intensive care patients.

Larsson has served as a member on several professional societies and as a visiting scientist at the Padova University in Italy, a visiting professor at the University of Wisconsin's School of Medicine, and a guest scientist at Penn State's Biomechanics Laboratory. He received both his Ph.D. and M.D. degrees from the Karolinska Institute in Stockholm, Sweden.

Acting director of academic affairs named at Penn State DuBois

Janet A. May of DuBois has been named acting director of academic affairs (DAA) at Penn State DuBois. May, a member of the DuBois mathematics faculty for 14 years, will fill the position for Claudia A. Limbert, who is acting CEO at the campus until a successor to Joseph C. Strasser is named. Strasser was recently named dean of the Commonwealth College.

The DAA is responsible for overseeing the academic life of the campus including faculty, library resources, the Learning Center, the Advising Center and the Registrar's office. May also anticipates working toward successful implementation of Project Vision High School in partnership with the DuBois Area High School this spring.

May earned her bachelor's degree in mathematics secondary education in 1974 from the State University of New York at Buffalo, graduating magna laude. Her master's in mathematics from the University of Maryland followed in 1978.

Before coming to Penn State DuBois, May was a mathematics instructor at the University of Maryland, and later accepted a position at NASA's Goddard Space Flight Center in the Research and Development department.

In 1983, she joined the Penn State DuBois faculty as an instructor in mathematics. She will take a semester's leave from the classroom during her term as acting DAA.



CHRIS GAMBLE



DONNA A. HOLMES

Appointments

McKeesport ACE program welcomes coordinator/counselor

Donna Dent-Nelson was named coordinator/counselor for Penn State McKeesport's Academic and Cultural Enrichment (ACE) program.

Dent-Nelson is responsible for the coordination and implementation of academic support services, including professional/peer counseling and tutoring, for students who meet the federal guidelines. In addition, she will coordinate cultural events and provide career and personal counseling.

She earned a master of education degree in counseling from Indiana University of Pennsylvania and a bachelor of science degree in business administration from Robert Morris College. She holds a certificate in crisis intervention from the Center Against Domestic Violence and Sexual Assault of Greensburg, where she is a volunteer.

Before joining the ACE staff, she held the positions of minority recruitment, retention and transfer coordinator and vocational education counselor for Community College of Allegheny County Boyce Campus. She is currently an adjunct faculty member there. Dent-Nelson also has served as assistant dean of admissions and as admissions and financial aid administrator.

Acting CEO becomes permanent choice at Penn State Beaver

Gary Keefer, acting campus executive officer at Penn State Beaver since July, will assume the position permanently, effective today. Keefer has been director of academic affairs and professor of engineering at Penn State Beaver since 1996. Penn State Beaver is part of the 12-campus Commonwealth College overseen by Joseph C. Strasser.

Before joining Penn State, Keefer was interim associate dean for the College of Engineering and Technology at the University of Nebraska-Lincoln at the Omaha campus. In that position, he was responsible for supervising the construction systems technology, electronics engineering technology and industrial systems technology programs and oversaw a \$2.4 million budget.

Keefer taught civil engineering at the University of Nebraska-Lincoln and West Virginia University for 18 years. He is the author of numerous articles and papers and has conducted research on rural water and wastewater issues, as well as research on industrial pollution for the Nebraska Department of Economic Development, the Environmental Protection Agency, the U.S. Air Force and others.

Keefer attended Penn State Fayette as a student for two years before earning his bachelor's degree from West Virginia University in civil engineering. He continued his studies at West Virginia University, earning a master's degree in environmental engineering in 1975 and his Ph.D. in 1979.



GARY KEEFER

Penn State Shenango names acting campus executive officer

Richard Lenzi has been named acting campus executive officer at Penn State Shenango. He succeeds Albert N. Skomra, who retired from the Penn State system after 37 years of service.

As acting campus executive officer, Lenzi will be responsible for the general administration of the campus and report to the new dean of the Commonwealth College, Joseph Strasser. He will continue as director of business and finance, where he is responsible for: human resources, physical plant, data and telecommunications, budgeting and auditing, as well as serving as a liaison for the Corporate Controller's Office at University Park.

Lenzi graduated from Youngstown State University, Youngstown, Ohio, with a bachelor's degree and a master's degree in business administration.

During his career at Penn State, Lenzi has served on many campus committees as well as several search committees including the current search for the Shenango campus executive officer position.

Acting associate dean tapped as Hazleton campus executive officer

John Madden, director of academic affairs at Penn State York and acting associate dean for faculty for the Commonwealth College, has been named campus executive officer at Penn State Hazleton. Madden will assume his duties in early spring, at the completion of the search for a new associate dean.

Madden has served as acting associate dean for faculty since August and as director of academic affairs at Penn State York since 1987. As an assistant professor of psychology, Madden taught psychology courses and performed research at the campus for nine years.

He was co-author and co-principal investigator of a \$658,000 grant for innovation in technology education, supported by the National Science Foundation. The grant included partnerships with three Commonwealth College campuses, Penn State's College of Engineering, Penn State Harrisburg and two secondary schools in the York area. As director of academic affairs, he assisted faculty in securing grants for instructional equipment for Penn State York totaling more than \$195,000.

Madden is the former research director of the Verbal Interaction Project in Freeport, N.Y. His research explored educational and social disadvantages in 2- to 4-year-old children. He was an adjunct assistant professor and clinical instructor of advanced psychological studies at Adelphi University, where he received his Ph.D. in 1975. Madden earned his bachelor's degree from Hofstra University in 1967.



JOHN MADDEN

Penn State Abington makes two key appointments

David Miller has been named director of development at Penn State Abington. Miller, formerly executive director of Montgomery County Big Brothers and Big Sisters, has more than 18 years experience in non-profit programming and funding. A graduate



DAVID MILLER



KAREN JACOBS-HAKIM

of Lebanon Valley College, he also holds a master's degree in secondary education from Villanova University.

Karen Jacobs-Hakim has been named financial aid officer at Abington. Jacobs-Hakim previously served as associate director of student financial assistance at Jacksonville University in Florida. A graduate of the University of Delaware, Jacobs-Hakim recently created the "Abington Aid" listserve, which provides students with information on scholarship opportunities, the aid process and other issues relating to financial aid.

Director selected for Center for Excellence in Writing

Jon Olson, former coordinator of a writing center and a writing-intensive curriculum program at Oregon State University, has been named director of Penn State's new Center for Excellence in Writing. The center is intended to help faculty integrate writing activities into courses across the curriculum and involve students in the design, implementation and testing of these activities.



JON OLSON

The center's opening was formally announced Dec. 4. As director of the center, Olson promotes the improvement of writing across the curriculum by supporting faculty who use writing extensively in their classes — both those who teach "writing-intensive" courses and those who use writing to help students become active learners in classes not formally designated as writing-intensive.

The center serves as a clearinghouse of information about writing initiatives. It also supports Penn State's Writing Center, in 219 Boucke on the University Park campus, which tutors students in writing through English 5, a one-credit writing class, and through one-on-one tutoring in its office.

Olson worked in writing across the curriculum at Oregon State from 1990-97. In 1987-90, he was an instructor with the Department of Business Communication at the University of Southern California. Olson has a Ph.D. degree in English from USC, master's degrees in English from USC and Andrews University, and a B.A. degree in English from Andrews.

ARTS & ENTERTAINMENT

AT PENN STATE



At the Palmer

"Elegy Black Black," a lithograph by American artist Robert Motherwell, is on display at the Palmer Museum of Art on the University Park campus as part of the exhibit "Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints."

Bach's Lunch

The next Bach's Lunch concert features the saxophone quartet Saxophobia, at 12:10 p.m. Thursday, Jan. 22, in Eisenhower Chapel.

Members of Saxophobia are Dan Yoder, professor of music, soprano sax; Richard Nasto, alto sax; Bill Ferguson, tenor sax; and Matt Donovan, baritone sax. Nasto, Ferguson and Donovan are students of Yoder.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Berks theatre

Theatre-goers will take a mesmerizing journey into the lives of seven African American women who have made lasting contributions to the fields of human rights, education, literature and politics during this powerful one-woman historical play at 1 p.m. Wednesday, Jan. 21. The play celebrates the women's ability to overcome seemingly insurmountable obstacles and achieve their life callings by their undaunted faith and belief in themselves.

"I Am That I Am: Woman, Black" stars award-winning actress Adilah Barnes, best known to television audiences for her five seasons in the role of Anne Marie on ABC's "Roseanne" and her regular appearances as Eve Monroe on ABC's 1994 fall series "Blue Skies."

Admission is free to the public. For more information, call Doreen Fisher at (610) 396-6067.

Exhibit at Berks

The Arie Galles "Fourteen Stations" Exhibition, a presentation of complex drawings based on aerial photographs of World War II concentration camps, will be held at the Penn State Berks campus Freyberger Gallery Jan. 24 to March 5, with a free public reception from 1-3 p.m. Sunday, Feb. 8.

Galles is a professor of art at Fairleigh Dickinson University in Madison, N.J. A number of the victims of the concentration camps in the exhibit were members of Galles' family.

This exhibition is part of a community-wide program, "The Modern Jewish Experience Project."

Admission is free to the public. For more information, call Beverly Levine, (610) 396-6099.

MetaStages registration

The School of Theatre Arts announces registration for its spring drama classes for children and youth. MetaStages Theatre Centre, an outreach program, offers classes after school and on Saturdays for children from kindergarten through 12th grade. Weekly sessions begin on Saturday, Jan. 24, and continue through April. The classes are held in the Paul Robeson Cultural Center on the University Park campus.

Children receive performance training from professionals in acting, voice, movement, mime and masks as they rehearse and perform plays from various countries and cultures. Classes culminate with an afternoon of final performances.

Class size is limited. For more information contact Joann Leonard, MetaStages director, at (814) 867-8390.

Peking Acrobats

The Community Arts Center in Williamsport, part of Penn College, will host The Peking Acrobats, long touted as one of the foremost acrobatic troupes in the world, Thursday, Feb. 12.

Composed of 28 of China's most gifted contortionists and daredevils, The Peking Acrobats continue a 2,000-year-old tradition of gymnastic mastery.

Tickets are \$18.50, \$15.50 and \$12.50, and there is a \$3 discount for children 16 and under. Showtime is 7:30 p.m.

For more information, call the Community Arts Center box office at (717) 326-2424.

A cappella concert

Four Shadow brings its high-energy "slightly irregular a cappella" to Penn State Harrisburg's Gallery Lounge at noon Monday, Feb. 16.

The quartet's members feature their own blend of a cappella that mixes the smooth sounds of classic doo-wop with ground-breaking originals and unique arrangements that run from rock and pop to country and even disco.

The Minnesota-based group formed in 1991 while its members were students at Macalester College in St. Paul, Minn. Since that time, the group has pleased audiences throughout the country.

The concert in the Gallery Lounge is free to the public.

Pianist at Williamsport

Roger Williams, the greatest selling popular pianist in recording history, will appear at the Community Arts Center in Williamsport at 7:30 p.m. Friday, May 1.

Celebrating his 60th year in show business, Williams will perform an intimate concert with his five-piece orchestra, performing his million-selling versions of such classics as "Born Free," "Lara's Theme" (from "Dr. Zhivago"), "Almost Paradise," "Two Different Worlds" and his all-time top selling "Autumn Leaves."

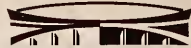
Tickets are \$27, \$22 and \$18.

For more information, call the Community Arts Center box office at (717) 326-2424 or the NAC Omni line at (800) 432-9382.

Palmer exhibits

The Palmer Museum's 25th Anniversary celebration continues with new exhibitions running through the semester. Part of the eight-month celebration of the museum's long presence on the University Park campus, the exhibitions feature many works given to the museum over the years.

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints" is open through Sunday, June 14. Featuring prints from the permanent collection made primarily since World War II, this exhibition high-



BRYCE JORDAN CENTER

Aerosmith visits

The rock group Aerosmith, with special guest Kenny Wayne Shepherd, will appear at The Bryce Jordan Center at 7:30 p.m. Monday, Jan. 19. Tickets are \$37.50 and \$27.50 for reserved seating.

During their rise to prominence, Aerosmith has managed to produce an impressive collection of both hard-rock and melodic classics. Aerosmith has survived 27 years with its original lineup and has sold more than 70 million albums.

Opening for Aerosmith will be Shepherd, who made his album debut in 1996 at age 19. The album, "Ledbetter Heights" showed a reverence for blues tradition as well as a maturity of style rare in such a young artist. The album spawned three Top 10 singles on the rock charts and the hit No. 1 album position on Billboard Magazine's Blues Chart for five months. He released his second album, "Trouble is ..." in 1997.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected University outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu>.

lights a selection of donations to the museum, including many serigraphs and lithographs.

Also open now through June 14 is "American Printmakers, 1920 to 1945." A number of prints by leading early 20th-century American artists have come to the museum as gifts over the past 25 years. This exhibition, the third to commemorate gifts to the museum during its 25th anniversary year, features works by Thomas Hart Benton, Isabel Bishop, Louis Lozowick, Jackson Pollock, John Sloan and Benton Spruance.

"All That Is Glorious Around Us: Paintings from the Hudson River School," will open on Tuesday, Jan. 20. This exhibition is a selection of more than 60 19th-century American landscape paintings from a private collection. Featuring artists such as Thomas Cole, Asher B. Durand, Frederic E. Church and Albert Bierstadt, the exhibition also highlights the work of lesser-known figures who shared a common vision of America. The exhibition, organized in collaboration with the Westmoreland Museum of American Art, Greensburg, Pa., runs through Sunday, May 17.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, January 16
"West Side Story," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
John Lemke, trombone, graduate recital, 8 p.m., Recital Hall.
Saturday, January 17
Alan Jackson and Deana Carter, 8 p.m., The Bryce Jordan Center. For tickets, call (814) 865-5555.
"Hesperus, American Roots," 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.
Nesrine Balbeisi, violin, student recital, 8 p.m., Recital Hall.
Sunday, January 18
WRSC Wedding Show, 12:30 to 5 p.m., The Penn State.
Michael Dumin, voice, student recital, 2 p.m., Recital Hall.
Mark Lusk, trombone, faculty recital, 8 p.m., Recital Hall.
Monday, January 19
Aerobics with special guest Kenny Wayne Shepherd, 8 p.m., The Bryce Jordan Center. For tickets, call (814) 865-5555.
Tuesday, January 20
"Back Talk," 7 to 10 p.m., Paul Robeson Cultural Center.
■ "Diverse Voices" by James Brasfield and Oleh Lysheha, 7:30 p.m., HUB Gallery Lounge.
Wednesday, January 21
Jury Recognition Recital, 8 p.m., Recital Hall.
Thursday, January 22
William Welch and David Sonnenberg, trombone, student recital, 8 p.m., Recital Hall.
Friday, January 23
■ Jennifer Pawloski, gallery talk, on "Religious Traditions in Non-Western Art," 2 p.m., Christoffers Lobby, Palmer Museum.
Saturday, January 24
MetaStages Theatre Centre, through April. To register, call (814) 867-8390.
Harolyn Blackwell, soprano, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
Seong-Ae Lim, piano, graduate recital, 8 p.m., Recital Hall.

SEMINARS

Friday, January 16
Lary Spence on "Why Lecture? The New Focus on Learning," 4 p.m., 206 Walker.
Monday, January 19
Yolanda King, keynote address, Dr. Martin Luther King Jr. Day, 7:30 p.m., Eisenhower Auditorium.
Tuesday, January 20
Anne Harlan on "Topics Related to the FAA and the Tech Center located at the Atlantic City International Airport, N.J.," Contact Marc Bumble or Sameer Antani at (814) 865-2841 for more information.
Denis Wirtz on "Particle-Tracking Microbiology of the Cell," 10 a.m., 146 Fenske Laboratory.
Wayne Osogood on "Applying Item Response Theory to the Scaling and Analysis of Skewed Multi-Item Measures," noon to 1 p.m., 406 Oswald.
Yun-Bo Shi on "Thyroid Hormone Regulation of Apoptosis and Tissue Remodeling During Frog Development," 4 p.m., 8 Mueller Laboratory.
Anne Harlan, William Hughes Federal Aviation Administration Technical Center. Time and place TBA. Call (814) 865-2841 or e-mail bumble@cse.psu.edu.

Wednesday, January 21
Marc D. Abrams on "The Red Maple Paradox," 12:20 to 1:10 p.m., 105 Warik Laboratory.
Joel Kennet on "Age, Education and Informal Reasoning Performance: A Cross-Sectional Study," 4 to 5 p.m., 110 Henderson.
Thursday, January 22
Toni Kazic on "What is Biochemical Computation?" 4 p.m., 302 Pond Laboratory.
■ Ian Wilmut on "Future Benefits of Cloning Technology," 8 p.m., Eisenhower Auditorium.
Friday, January 23
Clyde Woods on "The Reproduction of Regional Identity: Examples from Los Angeles and Mississippi," 4 p.m., 206 Walker.
Kenneth Silverman on "Houdini," 7:30 p.m., Palmer Lipson Auditorium.
Saturday, January 24
K. Warner Schaie on "Intellectual Development Throughout the Adult Life Span," 11 a.m. to 12:30 p.m., Kern auditorium.



Practice makes perfect

Holly Anderson, a senior music education student, practices her singing in one of the practice rooms in the basement of Music Building II on the University Park campus. Several other students have been busy rehearsing as well, to prepare for a number of upcoming student recitals. In addition to recitals listed in the University Park calendar, the School of Music will hold a free jury recognition recital at 8 p.m. Wednesday, Jan. 21, in the School of Music Recital Hall. Twelve undergraduate students will perform.
Photo: Greg Grieco

CONFERENCES

Monday, January 19
Private Industry Council of Centre County, The Penn State, PFPES (Pa. Plant Food), The Nittany Lion Inn, through Jan. 22.
Wednesday, January 21
"Teacher In-Service Day," The Penn State.
Saturday, January 24
Market Pro Computer Show, The Penn State.
ARIS Corp. of America, The Nittany Lion Inn.
APOC-PACM, The Nittany Lion Inn, through Jan. 29.

EXHIBITS

Palmer Museum of Art
"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through Jan. 14.
"American Printmakers, 1920 to 1945," through Jan. 14.
"All That Is Glorious Around Us: Paintings from the Hudson River School," Jan. 20 through May 17.
Zoller Gallery
Metals Exhibition, through Feb. 4.
■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

New at Penn State

Berks-Lehigh Valley to add four-year program in the fall

Penn State Berks-Lehigh Valley College will introduce a new four-year program, the bachelor of science in business, in fall 1998.

Targeted to students who want to combine general preparation in business with an emphasis on the small business environments of local Pennsylvania communities, the major is designed to create flexible business professionals, equipped to adapt to the ever-changing workplace. The degree is upper-division, starting with the junior year.

Fields of study will include accounting, economics, management, marketing, finance and business law. Students also will select an 18-credit option, which will help them prepare for a specific employment sector.

For more detailed information, call Sharon Parzanese, program coordinator, at (610) 396-6137 or e-mail slp1@psu.edu.

Penn College is teaching employees of international firm

Pennsylvania College of Technology, recognized for its applied technology focus and expertise in plastics education, is enhancing the education of an international company's work force.

The Williamsport college is hosting four Chinese engineers who work for AMP Inc. in Shanghai. At Penn College, the engineers will be working side-by-side with faculty to learn advanced techniques in plastics application. Their two-month stay at the college also will help them bridge social and cultural differences in preparation for a six-month stint working at one of AMP's U.S. plants.

With headquarters in Harrisburg, AMP is one of the strongest supporters of Penn College's plastics and polymer technology programs, consistently providing resources and hiring graduates.

Penn College providing customized job training

The first statewide customized job training project ever awarded in Pennsylvania is partnering Pennsylvania College of Technology in Williamsport and six OSRAM SYLVANIA facilities located across the Commonwealth.

Penn College's Technology Transfer Center is providing the training and OSRAM SYLVANIA is providing the employees — 2,733 of them — at the company's plants in St. Marys, Towanda, Warren, Wellsboro, York and its distribution center in Bethlehem. Pennsylvania's Department of Community and Economic Development is providing \$205,000 in funding.

The customized job training, ranging from computer instruction to process chemistry orientation, will aid employees in retaining their jobs by upgrading their skills. It also will help the company maintain competitiveness in a global market.

Private Giving

Meteorology department given new automated weather station

The Department of Meteorology has received an Automated Surface Observing System from Systems Management Inc. of Hunt Valley, Md., a subsidiary of All weather Inc. The unit is housed at the Russell E. Larson Agricultural Research Center at Rock Springs, near University Park.

The fully automated weather station is a gift of SMI and marks the beginning of a collaboration with the University.

"SMI is very excited in developing an SMI and Penn State industry-university partnership that will be unique in the national meteorological community," said Allie Waldron, president and chief executive officer of SMI.

The Automated Surface Observing System incorporates equipment that monitors wind speed and direction, temperature, dew point, atmospheric pressure, visibility, height of cloud base, precipitation, lightning and freezing rain.

The data collected by the system will be displayed on a terminal in Penn State's weather station and available to all students.

"One of our first tasks at Penn State will be to get the system's data on the Web via a link to the meteorology department's Web page," said Bill Syrett, research assistant in meteorology and the Penn State Weather Station coordinator. "This will be the first of what should become a growing number of independent student research projects relating to this data."



Collaboration officially begins

John A. Dutton, dean of the College of Earth and Mineral Sciences, left, and Allie Waldron, president and CEO of System Management Inc., answer reporters' questions at the dedication of an Automated Surface Observing System.

Photo: Greg Grieco

Gift to fund Eberly College scholarship

A gift of nearly \$101,500 from Penn State alumnus Walther H. Ott and his wife, Maxine, of Bridgewater, N.J., has endowed a scholarship named in honor of their daughter, alumna Ruth Ott Lewman, for the Eberly College of Science.

The scholarship will support outstanding female undergraduate students with financial need who plan to pursue health careers. It is primarily intended for upper-division students enrolled in the clinical laboratory science option of the biotechnology major.

The Otts are both natives of Oregon and met as undergraduates at Oregon State University, where Maxine earned her B.S. in business education and Walther earned his B.S. in poultry husbandry, both in 1934.

Walther also earned his M.S. in animal nutrition from Oregon State in 1936, followed by his Ph.D. in agricultural and biological chemistry from Penn State in 1942. He was the recipient of poultry research fellowships throughout his doctoral studies.

Formerly a head poultry scientist with the Research Laboratories of Merck & Co. Inc., he established the endowment through a transfer of stock he owned in the company.

Ruth Ott Lewman earned her Penn State bachelor's degree in medical technology in 1959, and has contributed to the University's endowment since 1992 to support the purposes of this newly activated scholarship. She is a medical technologist with the Methodist Hospital of Indianapolis, Ind.

Alumnus gives \$80,000 for fellowship

Louis W. Schatz, alumnus and benefactor, has committed \$80,000 to the College of Agricultural Sciences. The gift will create a new post-doctoral fellowship in the college's School of Forest Resources, and will help launch new research into tree molecular genetics.

Schatz is the retired president and owner of General Plastics Manufacturing Co. of Tacoma, Wash., which he founded in 1941. He earned his bachelor's degree in forestry from Penn State in 1934, and a master's degree from the University of California at Berkeley. A native of Pittsburgh, he now lives in Pauma Valley, Calif.

Through funding provided by the University's Life Sciences Consortium and the College of Agricultural Sciences, the school has recruited John Carlson, a world-respected scientist currently at the University of British Columbia, to head its new program in the molecular genetics of trees. The Schatz Fellow will work in Carlson's laboratory, focusing on the possibilities for inserting desirable genes in trees. This technology, which is becoming more prevalent in annual plant crops, such as

tomatoes and soybeans, is just beginning to be used in forestry.

Under Schatz's leadership, General Plastics Manufacturing has been cited by industry and governmental agencies for its contributions to the NASA space shuttle and Navy Polaris, Poseidon and Trident submarine programs. Before starting the company, he worked as a land appraiser for the U.S. Forest Service in Texas; as a USDA forester in Minnesota; and as an executive assistant with West Fork Timber Co. in Washington, where he obtained a professional logging engineer license.

The College of Agricultural Sciences named him an Alumni Fellow in 1985. He also received an achievement award from the School of Forest Resources in 1982, during its 75th anniversary celebration.

In addition to his recent gift, Schatz established two endowments in the School of Forest Resources during the 1980s to support student and faculty travel to professional meetings, conferences and seminars.

Biomedical engineering given \$1 million to expand

The Whitaker Foundation has awarded Penn State \$1 million to expand its biomedical engineering program by offering a new graduate curriculum in biomolecular transport dynamics. This brings the total to \$5.4 million in Whitaker funding to the University.

"The new program will provide education and research opportunities in the delivery of molecular medicine, the role of molecular transport processes in disease pathologies and a variety of related areas," said project director John M. Tarbell, professor of chemical engineering and bioengineering and director of the Physiological Transport Studies Laboratory.

It will be the first formal program in the United States to focus on the transport of molecules and cells, processes that are crucial to fundamental understanding and practical application of modern molecular medicine, said Tarbell.

Students in the program will receive a broad interdisciplinary education in bioengineering, medicine and life science with an emphasis on transforming fundamental discoveries into medical products and devices.

Penn State will use the grant to hire two bioengineering faculty members, develop research laboratories and support six graduate fellowships. From its own funds, the University will provide continuing support for the two new faculty positions, award six graduate fellowships and provide equipment and laboratory space for the program.

The grant was made under the foundation's program of Special Opportunity Awards in Biomedical Engineering. These awards of up to \$1 million are designed to enhance the field of biomedical engineering through permanent, high-quality programs that will have a lasting, beneficial effect. The emphasis is on education.

This is the second Special Opportunity Award to Penn State. The first was made in 1993 to Kirk Shung, professor of bioengineering, to support the biomedical engineering program in medical ultrasonic transducers. In addition to the two Special Opportunity Awards, which total \$1.6 million, the foundation has awarded Penn State another \$3.8 million in research and education grants since 1976.

The Whitaker Foundation is the nation's largest private sponsor of biomedical engineering research and education. It supports more than 400 research projects, 140 graduate fellows and 100 education and internship programs at colleges and universities. The foundation also supports research to lower medical costs and underwrites the development of teaching materials. For more information, go to the foundation's Web site at <http://www.whitaker.org>.

Awards

Five earn Keller Scholarships

Five staff members and graduate students have been awarded Edward L. and Dessa B. Keller Memorial Scholarships for 1997-98 by Continuing and Distance Education.

■ **Vicki K. Carter**, instructional designer with the Jack P. Royer Center for Learning and Academic Technologies, is a doctoral candidate in adult education. Her dissertation research will focus on continuing education in the workplace, with special emphasis on human resource development. A University employee for the last 18 years, she has held positions as an instructional programmer, manager of information technology support, assistant manager of applications systems and systems analyst. She earned a bachelor's degree in musicology from Indiana University, Bloomington, in 1967. She also earned a master's degree in adult education in 1994 and certificate in distance education in 1995 from Penn State.

■ **Georgina H. Leon**, instructional publications designer with the C&DE Department of Distance Education, is enrolled in the master's degree program in American studies at Penn State Harrisburg, Capital College. A C&DE employee for 13 years, she commutes from University Park to Penn State Harrisburg to pursue her wide-ranging interests in American studies. In her role as an instructional publications designer, she uses her extensive writing and editing skills to assist faculty members in producing instructional materials for courses offered through distance education. She received a bachelor of arts degree in Spanish from Temple University in 1969.

■ **Marcia Clarke-Yapi**, research assistant in administration, planning and information technology for C&DE, is a doctoral candidate in higher education policy studies. Her academic emphasis is international and comparative education, with a minor in cultural anthropology. Her dissertation research will focus on the effects of changes in technology and the nature of learning on continuing

and distance education providers within a university. She earned bachelor of science (1982) and master of arts (1988) degrees from New York University and a master of science degree from Pace University in 1992.

■ **Michelle M. Collins**, research associate with the C&DE Office of Research and External Relations, is a doctoral candidate in adult education. Her dissertation research will focus on professional associations' perceptions of colleges and universities as potential partners for the purpose of co-sponsoring continuing professional education programs. She will interview leaders of professional associations in the Washington, D.C., area. She received a bachelor of arts degree in political science from Penn State in 1991 and a master of arts in adult education from Virginia Polytechnic and State University in 1995.

■ **Kristin Owens**, conference planner with C&DE's Conferences and Institutes, is a doctoral candidate in higher education. Her dissertation research will explore the impact of higher education on the persistence, cognitive development and recidivism rates for incarcerated individuals. As a C&DE employee for the last two years, she earned a 1997 Silver Award from the University Continuing Education Association for the Innovate or Die marketing campaign. She earned a bachelor of arts degree in German from the State University of New York College (SUNY) at Cortland in 1990 and a master of science degree in student personnel administration from SUNY, Buffalo, in 1993.

The Keller Scholarship was established by Edward W. and Anne Keller to honor his parents, Edward L. and Dessa B. Keller. Edward L. Keller had served the University with distinction as vice president for public affairs and director of Continuing Education. The scholarship is open to all Penn State graduate and undergraduate students enrolled full time or part time in either regular or extended-degree courses.

Two PENNTAP projects "outstanding"

For the first time, Penn State's statewide technical outreach network, the Pennsylvania Technical Assistance Program (PENNTAP), has had two projects honored as "outstanding" in the 1997 National Association of Management and Technical Assistance Centers Project of the Year Awards competition. The competition is held annually to identify outstanding efforts in assisting members' clients to become more globally competitive, more viable in their fields of expertise or more capable of delivering services to the public sector.

In one project, PENNTAP helped a non-profit nursing home select software and computer hardware to meet Pennsylvania regulatory mandates. In the other award-winning project, PENNTAP helped a plastics manufacturer recover from violent weather and plan for the future.

The nursing home project, which aided Garvey Manor Nursing Home in Hollidaysburg, was directed by Dave Robertson, PENNTAP technical specialist based in the College of Engineering. He helped the staff prepare for hardware vendor demonstrations and plan for the location and installation of computers and network cables. When the new software provided by the vendor proved less than promised, Robertson helped get approval to return it.

The plastics project was led by Jay Schenck,

PENNTAP technical specialist based at Penn State Erie, Behrend College. He helped to assemble technical expertise to recover 17 tons of raw plastic material that had been fused into a giant, unusable "blob" by a lightning strike at the Port Erie Plastics Co. in Harborcreek, Pa. A second call for help occurred a few weeks later when severe wind extensively damaged the company's roof for the second time in three years.

Schenck was assisted by Jan Mutmanský, professor of mining engineering, on the lightning strike problem. At Mutmanský's suggestion, PENNTAP located equipment for use above ground that replicated below-ground mining operations and could return the fused plastic, valued at \$29,000, to workable condition.

For a solution to the other problem, Schenck turned to experts in wind engineering, meteorology and mechanical engineering with the help of Edwin Biederman, PENNTAP technical specialist at University Park, and John Wyngaard, professor of meteorology and mechanical engineering.

PENNTAP's scientific and technological assistance is provided at no cost to smaller businesses that do not have the in-house expertise or time to resolve specific technical questions or problems. A network of PENNTAP technical specialists is located throughout the Commonwealth.

Associate professor selected as a Fellow of AAAS

Jogender Singh, associate professor of engineering science and mechanics, has been named a Fellow of the American Association for the Advancement of Science (AAAS).

Singh is being honored for pioneering research work in the application of laser beam processing to the synthesis of novel materials (including nano structures), coatings, thin films, surface modification, welding cutting, drilling and space exploration.

Singh, who also is a senior research associate at the Applied Research Laboratory, was recently honored with an *R&D Magazine* 100 Award, which recognizes 100 of the best new discoveries or inventions of the year.

Agricultural Sciences employees honored for accomplishments

A number of Penn State employees from the College of Agricultural Sciences were recently honored by the Pennsylvania Association of Family and Consumer Science for their professional accomplishments at both the statewide and national levels. Those honored include:

Nancy Crago, Allegheny County extension agent, received the Greenwood Fellowship; Brenda Bernatowicz, Erie County family living agent and Barbara McKee, Armstrong County family living agent, both received the Continued Excellence Award; Shirley Bibby, Susquehanna regional director and interim director to the Northeast region, and Karen Thomas, Lackawanna County family living agent, were both honored with Distinguished Service Awards; and M. Annette Goodling, Montgomery County family living agent, received the Florence Hall Award.

In addition, Kathryn James, Pike County family living agent, was honored with the New Professionals Award; J. Dawn Bowers, nutrition adviser, Tioga County, received the Para-Professional Award; Cynthia Javor, Allegheny County family living agent, was given the Outstanding Family Living Award; and Jan Scholl, associate professor of agricultural and extension education, was honored for her research with the Program Excellence Through Research Award.

DuBois names library veteran Penn State of the Quarter

Karen Fuller, 14-year veteran of the campus library staff and acting head librarian since July, has been named Penn State of the Quarter for fall 1997 at Penn State DuBois. Fuller currently oversees the daily operation of the 35,000-volume DuBois campus academic library which serves as the gateway to the 4-million volume Penn State Libraries system. She also offers basic skills classes and course-related instruction in library use and coordinates the professional staff and work study students.

The Penn State of the Quarter award recognizes, on a quarterly basis, a member of the Penn State DuBois family who has rendered particularly noteworthy service to the campus and/or the community.

Partnership opens science doors to students

By PAUL A. BLAUM
Public Information

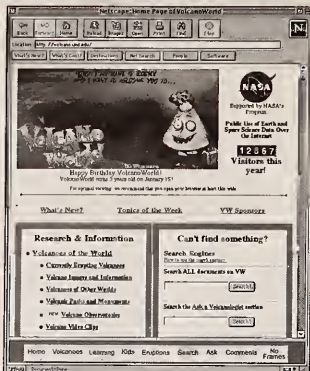
NASA contributes the science; Penn State's College of Education contributes the learning theory. The result could be a unique partnership that shows K-12 teachers how to use a trove of NASA teaching aids via the Web.

To promote teaching of math, science and technology, NASA has embarked on a long-term cooperative agreement with the Instructional Systems Program in the College of Education. The program allows Penn State majors in instructional design to become conversant with NASA's teacher materials so they can better design instructional materials for K-12 public school teachers.

"Besides sending rockets into outer space, NASA has another central mission: making NASA data and information available to the nation's young," said Barbara Grabowski, associate professor of education.

NASA — with input from teachers, curriculum specialists, graphic designers and scientists — has assembled a wealth of educational materials designed to aid in math and science instruction, according to Grabowski. This library, accessible to teachers through the Internet and the Web, includes CD-ROMs, workbooks, news releases, fact sheets and a variety of photographs of pilots, spaceships, planets and areas of the Earth.

Among the teachers delighted with the NASA teaching aids is Steve Lindberg, an earth science teacher who has been using the "The Volcano World" site with his students at Westmont Hilltop High School in Johnstown. Volcano World is a site supported by NASA's Internet program on the pub-



Check it out

Access the Volcano World Web site by pointing your browser to <http://volcano.und.edu/>

lic use of Earth and space science. The site can be found at URL <http://volcano.und.edu/>

Lindberg designs lessons and activities using Volcano World as a resource. Students involved in Volcano World assignments can examine, describe, plot and interpret "real time" activities that are happening while students are actually in class. A typical lab activity may involve the plotting of volcanoes

on a world map that are erupting at that exact moment.

"I found the movie 'Dante's Peak' to be of great interest," said Lindberg. "Many of the students have seen this movie, and with the link being on this site, it serves as a catalyst to interest and learning. Students start with this link, and they seem to be hooked with an eagerness to explore deeper into the topic."

Grabowski and her instructional design students at Penn State are at the beginning of a three-year project to evaluate Web-based NASA products and develop models and strategies for use in classroom teaching. To prepare herself, Grabowski already has spent a number of weeks at NASA's Dryden Flight Research Center in Edwards, Calif., and Langley Research Center in Hampton, Va.

"Teachers, above all, need to know how to reach and use these resources. That's where Penn State can help," Grabowski said. "Over the past year, we have developed strategies which show teachers how to access NASA materials on the Web and how to use them to set up lesson plans."

NASA, which has a strong teaching mission and requires its researchers to spend 20 percent of their time in areas of education, wants more teachers to use its Web resources. Grabowski hopes that K-12 teachers will want to tap into Web sites for NASA teaching material and will view the process as doable, not overwhelming.

"Ultimately, there's a lot at stake here," Grabowski said. "Young people will need the Internet to cope with the information-rich environment of the 21st century. To help them master Internet skills, learning will have to change, and teaching will have to change."

Libraries link to offer statewide access to millions of volumes

Students and professors at colleges and universities throughout the Commonwealth may soon be able to perform a single search and then initiate their own requests to borrow books from libraries across the state through the Pennsylvania Academic Libraries Connection Initiative (PALCI). The initiative represents 38 major college and university libraries throughout the Commonwealth. Collectively, the PALCI member library collections comprise more than 30 million volumes, and the combined purchasing power for new books, journals and other library materials exceeds \$55 million annually.

Penn State is a member of PALCI, which started as a two-year demonstration project and has headquarters at Lehigh University in Bethlehem. PALCI plans to have a test catalog and request system running early in 1998 at five institutions (Indiana University of Pennsylvania, Lafayette College, Lehigh University, the University of Pittsburgh and Penn State). The testbed will last about four months. PALCI plans to seek funding to enable a phased-in implementation of the "virtual library catalog" at all other member schools within about a year. This grassroots effort has thus far been funded by fees paid by the 38 college and university members.

Through the system, library users at member institutions will be able to search through many millions of volumes at member libraries just as they now search their campus holdings, and arrange directly to receive the book or information.

PALCI information is on the Web at <http://www.lehigh.edu/~inpalci>.

Award to recognize faculty outreach

Nominations are currently being sought for the newly established Penn State Award for Faculty Outreach. The award, designed to recognize faculty who make significant contributions to outreach, consists of a cash gift of \$1,000. Full-time faculty members, at all locations, whose primary responsibilities are teaching, research and service, are eligible. Special consideration will be given to the special initiatives that generate, transmit and enhance knowledge, between the University and external audiences within the Commonwealth and beyond.

Under the guidelines, outreach activities can take a number of forms including, but not limited to, credit and noncredit instruction; technical assistance; demonstration projects; evaluation studies; and policy analysis. Faculty members who have extended their scholarship to external constituents resulting in a significant outcome for individuals, organizations or communities in problem solving or development are eligible for consideration.

Book Shelf

Vladimir M. Zatsiorsky, professor of kinesiology and director of the Biomechanics Laboratory in the Department of Kinesiology, is author of a new book, *Kinematics of Human Motion*.

The book, published by Human Kinetics, is intended primarily for graduate students in kinesiology specifically in biomechanics, motor control, physiology of motion, athletic training, biomedical engineering, ergonomics and physical therapy. Kinesiology (human movement science) is an interdisciplinary field that deals with human motion.

The first chapter of the book deals with the kine-

Nominations should include:

1. Background: A concise statement that clearly identifies the outstanding contributions of the nominee, a vita, and two letters of support from University colleagues.

2. Summary: Data that outlines the nominee's outreach initiatives, impact of the initiatives, audiences served, problems or issues addressed and results.

3. Support: Letters from two external beneficiaries of outreach initiatives regarding the nominee's outreach activity, the value and the impact of the activity.

Nominations will be reviewed and selected by a subcommittee representing the Coordinating Council for Outreach and Cooperative Extension and the Outreach Committee of the Faculty Senate. Send nominations to: Robert Nicely, associate dean for outreach and faculty development, College of Education, and chair of the Selection Committee, 277 Chambers Building, University Park, Pa. 16802.

Deadline for submission is Feb. 6. Questions should be directed to Nicely at (814) 865-2525 or e-mail: rfn5@psu.edu.

matic geometry of human motion, (i.e. with the description of the human body position and displacement of 3-D space without regard to time). The ensuing chapter addresses differential kinematics of human motion, specifically velocity and acceleration of multilink biokinematic chains. Also, the joint kinematics theory related to all joints is described, and the last section is devoted to kinematics of 26 specific human joints.

The book integrates mechanical models with biological experiments. It features many illustrations and practical examples.

■ Faculty Senate

New general education plan OK'd

By ALAN JANESCH
Public Information

A plan to upgrade and improve undergraduate education at Penn State was approved by the University Faculty Senate at its Dec. 2, 1997 meeting. The plan's 10 recommendations focus on active learning, new approaches to teaching and the idea of continuously improving both.

The plan, developed by a special committee created by the Senate in February 1996, represents the first major change in Penn State's general education program since 1988.

The 10 recommendations — which should be in place by fall 1999 — are intended to ensure that students get both the skills they'll need in an increasingly competitive international economy and a broad understanding of scientific, cultural and artistic events and accomplishments that will help them make sense of the world and enrich their lives.

Robert N. Pangborn, chair of the committee and associate dean for undergraduate studies in the College of Engineering, said the com-

mittee's primary goal was "to have students more involved in their education." The committee's plan is a "coherent framework for refocusing and improving the general education program," Pangborn said.

The plan was passed on a voice vote, with only a few dissenting votes, after about three hours of debate. Most of the debate centered on two of the recommendations — one that requires all first-year students to take a special first-year seminar and another that restructures the existing, four-credit health sciences and physical education requirement into a new three-credit health and activity requirement that emphasizes promotion of an active and healthful lifestyle (*Intercom*, Oct. 30, 1997).

The other recommendations are to:

- improve the assessment tools allowing students to exempt or place out of courses in which they can demonstrate proficiency in course content;

- identify required skill levels in writing, speaking and quantification and change or develop courses as needed to help students reach the

levels needed in their majors;

- integrate the active learning skills of writing, speaking, computer literacy, problem-solving and literacy in all general education courses;

- encourage creative, collaborative approaches in developing curriculum and in helping students meet program requirements;

- emphasize active learning in courses intended to develop intercultural and international competence;

- allow students to substitute three credits of foreign language study at the third-semester level or above toward their general education requirements;

- create a general education assessment group; and

- develop procedures for implementing the changes to general education.

Changes to the program will be supervised by the Senate's existing implementation committee, which will present informational reports to the Senate as plans for implementing the recommendations are being developed. The Senate's next meeting will be at 1:30 p.m. Feb. 3 in Room 112, Kern Building.

CQI
CONTINUOUS
QUALITY
IMPROVEMENT

Learn how to begin the planning process

Are you or is your group responsible for writing a strategic plan? A panel discussion on "How to Begin the Planning Process" will be held Jan. 27 from 8:30-10 a.m. in The Nittany Lion Inn Alumni Fireside Lounge.

Louise Sandmeyer, Mary Ellen Litzinger and Barbara Sherlock from the Center for Quality and Planning will help you take the first steps in developing a long-range strategic plan. They will describe the principles that guide strategic planning and discuss how quality can be integrated into your strategic plan. There will be a special focus on developing performance measures. Call the Center for Quality and Planning at (814) 863-8721 if you plan to attend.

New teams form

A CQI team to improve the staff selection process in Residence Life has been charged by Gail Hurley and Diane Andrews. The team is led by Laura Perry. Susan Shuman will facilitate; Cecie Eastman, Kelly Carter, Sparticus Alston, John Hurst, David Goodman, Barry Bram and Toni Umberhocker are team members.

John Romano, vice provost for enrollment management and administration, has formed a new cross-unit quality team and appointed Anne Kepler as its leader. The team will examine the course articulation process at Penn State. Members include: Mary Adams, Susan Decker, Beryl Gibson, Lauri Perman, Jean Landy Pytel, Richard Repsher and Betsy Wisser.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721. LSI@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi/>



Doing their homework

Project assistant Nancy Wilson, left, consultant Sheila Milnes and James E. Van Horn, professor of rural sociology and creator of the "Better Kid Care" radio program, review their notes before airtime. The program is a monthly production of the College of Agricultural Sciences.

Photo: Greg Grieco

New concept should improve writing, learning

By **ALAN JAMESCH**
Public Information

For years Penn State has been making huge investments in helping students learn to write well. But now the formula is being given a twist — Jon Olson, director of Penn State's brand-new Center for Excellence in Writing, wants to help students write to learn well.

"It's radical for faculty to think they don't have to teach writing," Olson said, "but rather that they can teach *with* writing."

In the process of writing to learn, students will also learn to write, Olson said. Sometimes, learning to write at a university can be like learning a second language — the classes focus on memorizing vocabulary, understanding grammar and practicing proper usage. But the real measure of success ought to be how well you can use the language in real situations.

"Suppose you're in France, and you go to Avignon and try to buy something, using the new language," Olson said. "What if every incorrect or mispronounced utterance that comes out of your mouth is going to be criticized as incorrect? It's going to shut you down. When you're learning to write, you need occasions that help you reach a real goal. Sometimes we should be able to tell students, 'You're not getting a grade right now, you're using the language (of writing).'"

Penn State has a long history of devoting significant resources to courses and programs for improving writing, both required and optional, for undergraduates and graduate students. But recently, awareness of the importance of good writing has reached a new level at Penn State — and Olson's hiring as director of the new center is a concrete response to that heightened awareness.

One indicator of the increased focus on writing is the University Faculty Senate's approval last month of a plan to restructure Penn State's general education program (see story, p. 17). One of the plan's key recommendations is to identify the proficiency levels needed for writing and other skills and, if needed, change courses to help students reach those levels.

"The change we're trying to make is to encourage the transition from learning to write to writing to learn," said Robert N. Pangborn, associate dean for undergraduate studies in the College of Engineering and chair of the special committee that devel-

"It's radical for faculty to think they don't have to teach writing, but rather that they can teach *with* writing."

Jon Olson, director
Center for Excellence in Writing

oped the restructuring plan. "Once you understand the structure of writing, then you are in a stronger position to use writing to enhance the active learning process."

Another indicator is the growing need for college graduates who can write well and clearly.

University courses and programs that focus on writing, both required and optional, currently include the following:

— At least nine credits in writing courses for all undergraduates. Also, since 1990, all undergraduates have been required to take at least one of several "writing-intensive" classes within their college or major that are intended to help students use writing to learn the course material.

— A Writing Center in the Boucke Building and in three satellite locations on the University Park campus.

— Writing courses paired with content courses, available to first-year students through a competitive, summer-only program called LEAP — the Learning Edge Academic Program.

— A highly regarded graduate program in composition and rhetoric, which investigates the history, theory and practice of persuasive writing and trains those who teach composition.

Every year, some 4,000 first-year students and a smaller number of upper-class students take the composition course in sections of no greater than 24 students each — representing a major investment of funds and teaching time by the Department of English. Currently, some 270 writing-intensive courses are available across the curriculum, taught by more than 150 faculty members each year.

At the Writing Center, the philosophy is to use specially trained "peer tutors" to help students improve their writing. The center doesn't "fix up" the writing a student drops off. The real educational

tool at the center "is conversation about writing," said Ron Maxwell, assistant professor of English who has run the center for the past 13 years. The center's tutors talk with students about the strengths and weaknesses of their writing, help them learn to evaluate it, and ultimately help them realize that they can do much of the work on their own.

Over the years, the English department has lent major support to the Writing Center, which will not only continue to operate but expand its offerings. Now, the English department (along with the Office of Undergraduate Education) is also providing substantial support to the new Center for Excellence in Writing.

"Writing," said Don Bialostosky, head of the English department, "is something that you get better at when you do a lot of it and when you get a lot of feedback on your work." In addition to supporting new initiatives, the department is looking at its current offerings with a critical eye.

Under Olson's leadership, the new center will take over operation of the Writing Center, support faculty teaching "writing-intensive" courses or using writing as an active learning tool, and (starting in fall 1998) take responsibility for a program now being developed to improve graduate student writing. Olson, previously the coordinator of a writing center at Oregon State University, likes the concept of the "writing-intensive" course but also likes the phrase "writing-diffuse."

To Olson, writing should be diffused across virtually every course, from the first day of class to the last, and should not focus on one major writing assignment. A writing-diffuse course might incorporate things like one-minute papers written in class and other informal assignments, ungraded papers, student-evaluated papers, and short writing assignments that might later be integrated into a final project.

One of the things some faculty members may need to do, Olson said, is to hold back on the compelling urge to fix up the mechanics of the writing — the spelling and the grammar — until later in the process.

"We have to permit ourselves to relax," Olson said. "The most important thing in writing is thinking. No one values grammatically correct sentences that say nonsense. We need to let students write to think, then put their thoughts in order, then perfect their sentences."

25-year Awards



RICHARD DEMPSEY



ELLIOT EISENBERG



DEIDRE JAGO



HOWARD RAY LAWRENCE



ROY T. SWINEFORD JR.



HENRY L. WILUSZ

Observing 25 years of service at the University are, from left, Richard Dempsey, assistant professor of computer science at Penn State Worthington Scranton; Elliot Eisenberg, professor of engineering, and Deirdre Jago, assistant professor of exercise and sport science, both at Penn State Hazleton; Howard Ray Lawrence, assistant professor of architecture in the Department of Architecture in the College of Arts and Architecture; Roy T. Swineford Jr., mail carrier in the Office of Business Services; and Henry L. Wilusz, senior engineering systems analyst in the Office of Physical Plant. Also observing 25 years but not pictured is Nancy J. Yoder, staff assistant VIII in the Pennsylvania Technical Assistance Program under the Office of the Vice President for Research.

University has a long history of internationalization

Since its first international link with the South China Agricultural University in 1907, Penn State has clearly become an international institution and the point of connection is its Office of International Programs.

Over the past year, the office has been reorganizing its services to meet a growing demand for programs abroad and opportunities for international visitors to study, teach and conduct research at Penn State campuses across the state.

"The University Office of International Programs is the strategic center of Penn State's goals to internationalize the University," said Beverly Lindsay, dean of international programs. "In the past year we have set new goals, enriched professional grants and increased our linkages with key international partners for both faculty and students going abroad and for internationals coming to Penn State."

Lindsay, who has directed or worked closely with international programs at several universities since the 1970s, has been at Penn State for just a year and is putting international opportunities on the fast track.

The office helps with curricular reform, establishes faculty and student exchange agreements, supports interdisciplinary research and scholarship on campus and participates in technical assistance programs worldwide.

At last count, nearly 4,000 visiting and resident students and faculty are or plan to be engaged in an international experience at Penn State or abroad through a Penn State program this year.

The 1997-1998 fall enrollment report counts 2,582 international students at the University systemwide. This represents a 22 percent increase over the last five years, considerably higher than the national average during the same period. About half are from India, China, Taiwan, Korea and Thailand and most are enrolled in engineering, business, science or the liberal arts at University Park.

Nearly 800 Penn State graduate and undergraduate students are or will be studying, teaching or doing research abroad this academic year — significantly exceeding the number enrolled last year when the University was ranked seventh among public research institutions with the largest numbers of students studying abroad. This is a participation rate the University hopes to increase over the next few years through new scholarships and programs.

Looking for information?

■ International programs policies and strategic planning: Dean Beverly Lindsay, (814) 865-7681

■ Fulbright adviser and outreach officer: Robert Ott, (814) 863-8199

■ International Education Programs and Studies office: Michael Laubscher, director, (814) 865-7681

■ International Partnerships and Academic Linkages: Lillian Shyu, interim senior program officer, (814) 865-0414

■ International Students and Scholars office: Jim Lynch, director, (814) 863-6222

■ Undergraduate Fellowships office: Mary Gage, coordinator, (814) 863-8199

The first study abroad program, offered in 1962 through the College of the Liberal Arts, has since grown to about 80 international programs, which have served more than 120,000 students. Some students also receive Penn State credit for study abroad.

Lindsay notes that global understanding often begins with language study and says departments are placing more emphasis on language and area studies to prepare students for employment in an international arena. (The University now offers classes in Arabic, Chinese, Swahili and 15 other languages.) This year, the Faculty Senate voted that all students admitted by the year 2001 will have to meet a two-year language requirement.

According to last year's faculty study conducted by the Office of International Programs, about 30 percent of all general education courses now contain a substantial international component. This year, hundreds of faculty will conduct research, advise or teach abroad on faculty exchanges, international fellowships, research grants and technical assistance programs, or while conducting sabbatical research, most of these facilitated by the international office.

The University also will be host to more than 1,000 international scholars. Hundreds of international scholars, professionals and business people also attend international conferences at Penn State offered through academic departments and Continuing and Distance Education.

Opening opportunities for faculty to engage in more cross-cultural research is the big reason for the University's formal linkages to more than 40 international institutions. And more are in the works — the office is targeting key institutions in South Africa, Ghana, Australia, England, Germany, Asia and Latin America for multidisciplinary and multifunctional relationships.

As of last year, about 10 percent of Penn State's nearly 5,000 faculty members travel abroad annually for scholarly purposes, over half report a working knowledge of a foreign language and 37 percent have had at least one month of professional experience overseas.

"Education abroad and exposure to international faculty and students who bring their cultures and experiences with them to the classroom, laboratory and informal gatherings have a profoundly positive impact on both the University and its graduates," Lindsay said. "They help students develop the understanding and intercultural skills necessary to take part in today's global community and they enrich the University community for all."

For more information on the Office of International Programs, visit its Web site at <http://bluc.uc-psu.edu/psu/ip/uoiphome.html>.

Promotions

Staff

Robert M. Crable, assistant research engineer in Eberly College of Science.

Thierry H. Daubenspeck, activation and irradiation specialist/supervisor in College of Engineering.

Candace C. Davison, research and education specialist/supervisor in College of Engineering.

Deborah J. Erie, director of outreach II at Penn State Delaware County.

Cynthia F. Fail, assistant director in Student Affairs.

Terry L. Flinchbaugh, manager, operations and training in College of Engineering.

Lydia R. Grimm, staff assistant VI in Division of Development and Alumni Relations.

Betsy R. Hall, staff assistant VI in College of Communications.

Gloria J. Henry, staff assistant VI in College of Earth and Mineral Sciences.

Neil T. Kellen, director, finance and administrative services in Business Services.

Sandra L. Kimmel, staff assistant VIII at Penn State Shenango.

Karen M. Kreger, manager, housing and food services II in Housing and Food Services.

Ivy J. Krout, employment specialist/training coordinator in Housing and Food Services.

Ying Li, senior research technologist in Eberly College of Science.

Mary E. Liberatori, assistant manager, housing/apartments in Housing and Food Services.

Karen R. Long, library assistant II, UFO team in University Libraries.

Bobbi J. Lucas, production coordinator in Computer and Information Systems-Administrative Systems.

Michael C. Loewen, lead applications programmer/analyst in Computer and Information Systems-Center for Academic Computing.

Tina M. Lucas, staff assistant V in Eberly College of Science.

Valerie A. Manganello, assistant extension agent in College of Agricultural Sciences.

Lawrence A. Maso, lead applications programmer/analyst in Business Services.

Angel D. Mejias-Rios, library supervisor in University Libraries.

Jo A. Mengle, staff assistant VII in College of Earth and Mineral Sciences.

Cynthia L. Mihalik, staff assistant VII in College of Earth and Mineral Sciences.

Gerald S. Mihaly, senior applications programmer/analyst in Computer and Information Systems-Center for Academic Computing.

Mary O. Miller, administrative assistant IV in College of Engineering.

George H. Otto, manager, research programmer in Computer and Information Systems-Center for Academic Computing.

Rosella J. Peachy, staff assistant V in Housing and Food Services.

Sandra R. Randall, accounting assistant at Penn State Shenango.

Christina M. Richards, research support assistant in College of Agricultural Sciences.

Sandra K. Richner, coordinator, research funds in Applied Research Laboratory.

Mimi C. Ridenour, senior microcom-

puter system consultant in Computer and Information Systems-Center for Academic Computing.

Karen L. Rider, administrative assistant III in College of Engineering.

Kimberly A. Ripka, administrative assistant IV in College of Engineering.

George F. Salvatore, manager, athletic trainers in Sports Medicine.

Bobbi L. Schaffer, staff assistant IX in College of Engineering.

Meriel Schoenholtz, staff assistant III in Student Affairs.

Elena S. Slobounova, lead applications programmer/analyst in Computer and Information Systems-Center for Academic Computing.

Monica C. Spence, staff assistant VIII in College of Communications.

Jeanne M. Spicer, manager, research programming in Intercollege Research Programs.

Thomas Stapleton, director of Business Services at Penn State Mont Alto.

Laurinda J. Taylor, staff assistant VI in College of Engineering.

Stephanie S. Tyworth, program planner in Continuing and Distance Education.

University's Rhodes Scholar is doing well

By BILL CAMPBELL
For Intercom

Tess Thompson, Penn State's first-ever Rhodes Scholar, is doing very well in her new academic environment, thank you.

As the most prestigious and competitive scholarship award in the United States, the Rhodes Scholarship goes to only 32 individuals in any given year. In fact, many world political leaders—including President Bill Clinton and several prime ministers—began their careers with a Rhodes Scholarship.

"I didn't know exactly what to expect," Thompson said from her Boalsburg home before returning on Wednesday, Jan. 7, to Oxford University in England.

"And, I found the British educational system to be much different than my experience at Penn State. There is a lot more independent work. I've had to make some adjustments since I'm not used to working so much independently.

"We're expected to do the work and be prepared to participate in seminar discussions, but we're not tested regularly," she said. "As a result, I've moved from a more structured setting at Penn State to a situation where I'm required to structure myself. It's tempting to put off work when you have no classes or tests, but then it starts to pile up."

The daughter of Donald and Melody Thompson, she is one of the 32 Americans named to the 1997 class of Rhodes Scholars at Oxford. Her father is an associate professor of food science and head of the food science department in the College of Agricultural Science. Rhodes Scholars receive full support for two years of study at Oxford. The Rhodes Scholarship competition was first opened to women in 1976.

"I found the British educational system to be much different than my experience at Penn State. There is a lot more independent work. I've had to make some adjustments since I'm not used to working so much independently."

Tess Thompson

Thompson graduated from the University last spring with a bachelor's degree in English. In addition to her academic work, she was involved in a number of activities at University Park, including helping to organize the "Take Back the Night" rallies on campus; volunteering at the Women's Resource Center; tutoring in the English as a Second Language program; and writing a column for *The Daily Collegian*.

At Oxford, she is enrolled in a two-year master of philosophy degree program in Victorian literature.

"Oxford operates on a trimester system," she explained. "During my first term, I concentrated on Victorian novels and in the upcoming term will study Victorian poetry. I had just one seminar I was required to attend. There were only four people in it, which is rather small for a graduate seminar. And, as my studies become more specialized, it could be even smaller, such as one-on-one with a professor."

"There seems to be a lot more individual attention in the British system. It's not especially efficient, but it is very intense."

Noting that Oxford is made up of 30 different colleges, she said that, at the graduate level, most of the teaching and learning is done at the university as a whole, while undergraduate students attend classes in their college. She is a resident at St. Hilda's College, which is the only all-woman college at Oxford.

"Oxford's colleges are a collection of states, much like the United States," she said. "Each has its own rules and traditions. Some have a formal dinner every night and require students in the college to wear academic gowns."

"St. Hilda's doesn't require that, but we do have a formal dinner every Wednesday, for which we have to dress nicely. Actually, it's a very elaborate dinner—quite a change from Pollock Dining Hall."

In her studies, she is involved with other Oxford students; socially, she has been interacting with other Americans who are Rhodes Scholars. Before the scholars left for England, the American Association for Rhodes Scholars sponsored a weekend in New York City, where the 1997 class was treated to a variety of activities, including a cruise of New York Harbor; a tour of the New York Stock Exchange; and attendance at the opera.

"It was a great opportunity to meet and get to know some of the other scholars," she said.

In addition to her studies, Thompson hopes to do some traveling while in England.

"Oxford is only one-and-a-half hours from London," she said. "I've made the trip by bus twice, to see a play and visit the British Museum. I also hope to visit France with my cousin who is coming over."

"I'm very pleased with my experience thus far. I'm really starting to settle in now."

Several to speak at spring Academic Leadership Forum

The president of the National Association of State Universities and Land-Grant Colleges, the director of the Harvard Universities Art Museums and football Coach Joe Paterno are among the speakers featured in Penn State's Academic Leadership Forum on the University Park campus this spring.

The forum was initiated in 1995 and offers regular opportunities for Penn State department heads and academic deans to develop leadership skills and discuss important issues. This year, the Leadership Forum joined forces with the Penn State Issues Forum, making the seminars available to an even wider University audience.

Leadership Forum topics for spring include:

■ **Wednesday, Feb. 4 and Thursday, Feb. 5:** C. Peter Magrath, president of the National Association of State Universities and Land-Grant Colleges, will speak on "The Engaged University." On Feb. 4, Magrath will address the Outreach Senior Leadership Retreat at the Penn State Conference Center Hotel. On Feb. 5, Magrath will address the Academic Leadership Forum from 8:30 to 11:15 a.m. in The Nittany Lion Inn Boardroom and the Penn State Issues Forum from 11:30 a.m. to 1 p.m. in The Nittany Lion Inn Ballroom.

■ **Thursday, March 5:** James Cuno, Elizabeth and John Moors Cabot director of the Harvard University Art Museums, will speak on the arts at the Penn State Issues Forum from 11:30 a.m. to

1 p.m. in The Nittany Lion Inn Ballroom.

■ **Wednesday, March 25:** Joe Paterno, Penn State football coach, will speak on motivating teams at the Academic Leadership Forum from 8:30 to 9:30 a.m. in The Nittany Lion Inn Ballroom.

■ **Wednesday, March 25:** William Massey of Stanford University and the National Center for Postsecondary Improvement will speak on "Restructuring the University" at the Academic Leadership Forum from 9:30 to 11:15 a.m. in The Nittany Lion Inn Ballroom and at the Penn State Issues Forum from 11:30 a.m. to 1 p.m. in The Nittany Lion Inn Ballroom.

■ **Saturday, April 4:** Carol Twigg, vice president of Educum, will deliver the keynote address during the Sixth Annual Teaching and Learning with Technology Symposium from 9 a.m. to 3 p.m. in the Joab L. Thomas Building.

■ **Friday, April 17:** David Scott, chancellor of the University of Massachusetts at Amherst, will speak on "Learning to Change: The University as a Learning Organization" at the Penn State Issues Forum from 11:30 a.m. to 1 p.m. in The Nittany Lion Inn Ballroom and at the Committee on Institutional Cooperation (CIC) program, also at The Nittany Lion Inn.

■ **Friday, April 17:** Richard Chait of the Harvard Graduate School of Education will speak on "Tenure and its Alternatives in the University of the Future" at the Committee on Institutional Cooperation program at The Nittany Lion Inn.

■ **Tuesday, April 21:** David Ward, chancellor of the University of Wisconsin-Madison, will speak on "Change and New Directions in the University" at the Continuous Quality Improvement Forum at 2 p.m. in the Penn State Conference Center Hotel.

■ **Thursday, April 30:** Lee Shulman, president of the Carnegie Foundation for the Advancement of Teaching, will speak on "Teaching and Learning: New Approaches in the University" at the Academic Leadership Forum at the Penn State Conference Center Hotel and at the Penn State Issues Forum from 11:30 a.m. to 1 p.m. in the Penn State Conference Center Hotel.

On April 16-18 the Academic Leadership Program of the CIC will be hosted at Penn State. The CIC is the academic consortium of the Big 10 universities plus the University of Chicago. About 60 fellows from the 10 CIC institutions that are participating will discuss "The University of the Future." Penn State President Graham B. Spanier will deliver the keynote address. For more information, contact Bob Secor, vice provost, at (814) 863-7494; rxs2@psu.edu.

Online warehouse revolutionizes flow of data

To get large supplies of food, people visit food warehouses. Those after large quantities of merchandise patronize merchandise warehouses. But there hasn't been a single repository for volumes of electronic University data — until now.

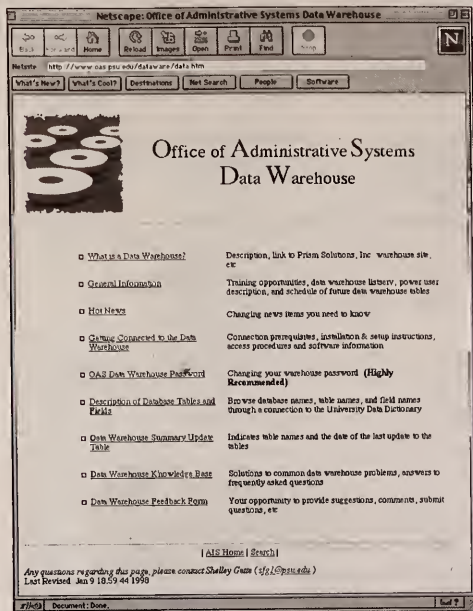
Thanks to the efforts of the Office of Administrative Systems, authorized employees now may use their desktop computers to access vast amounts of institutional data from the University's Data Warehouse.

"Work in the University is changing. Anyone making strategic decisions in the University should be making those decisions on the basis of data from the warehouse," said Kenneth C. Blythe, director of the Office of Administrative Systems.

The data warehouse is the source of data for most University business areas. There are currently eight active databases, including 79 tables, comprising more than 50 million records. Authorized users now are able to access student, alumni, financial and other data from the warehouse at their convenience. All of the data, transferred from the Office of Administrative Systems legacy computer on a regular schedule, is available in read-only form for analytical and reporting purposes.

Begun in 1994, the warehouse already has helped many departments and campuses.

"The data warehouse has been especially helpful to us in Continuing and Distance Education for gathering information on credit offerings available through C&DE throughout the Penn State system," said Patricia Cochran, assistant to the financial officer in Continuing and Distance Education. "Before, this information was obtained through telephone calls to campuses and University Park locations and took days to complete. Now,



For more information

For more information about the warehouse, access, training and policies, visit the data warehouse Web site at <http://www.oas.psu.edu/dataware/data.htm>.

we query various tables with appropriate location and delivery codes and we have available to us enrollments

and course counts for continuing education credit offerings."

Rhonda Brown, administrative

assistant in the Office of Telecommunications, also has been able to save time by using the data warehouse. Monthly financial analysis reports used to consume a full day of her time. Now by accessing data in the warehouse she will be able to generate the same reports in an hour.

Thomas Streveler, director of enrollment at Penn State Harrisburg, Capital College, uses the data warehouse daily.

"Since my job combines admissions and academic records, I get many questions that overlap the two areas. I don't know how I could meet the needs for information without the great flexibility that the warehouse provides. There are things that I simply could not have done, or would have had to take days to do, that I can now do quickly through the warehouse. I use the warehouse to answer special cases that require information that is usually not readily available anywhere else."

Cochrane, Brown and Streveler are considered "power users" of the University's databases.

Power users are individuals who, through their University experiences, have developed an excellent understanding of the nature and confidentiality of various institutional data elements. They have responsibility for analyzing data and deriving information from that data.

To become a power user, an employee must be recommended by the access and security representative for his or her college, campus or department. In addition to having an excellent understanding of the data and a clear understanding of current security policies, the user must be proficient in using the microcomputer technology necessary to accomplish a data warehouse query.

Obituaries

Elizabeth J. Bedell, nurse, Penn State McKeesport, from March 1, 1958, until her retirement Feb. 1, 1972; died Nov. 3, 1997, at the age of 87.

Richard D. Guild, associate professor, industrial engineering, from Feb. 1, 1957, until his retirement June 30, 1983; died Oct. 25, 1997, at the age of 74.

William R. Kerstetter, mason, general repairs A, maintenance and operations, from Sept. 6, 1949, until his retirement Jan. 1, 1971; died Oct. 26, 1997. He was 89.

Karl S. Kunz, professor of electrical engineering, College of Engineering, from Aug. 1, 1966, until his death Nov. 19, 1997. He was 51.

Una M. Livingston, editorial assistant, Graduate School, from July 1, 1962, until her retirement June 30, 1976; died Nov. 9, 1997, at the age of 81.

George R. Lovette, vice president for business and operations, Office of the President, was with the University from July 1, 1958, until his retirement July 1, 1989; died Dec. 4, 1997, at the age of 66.

Anne C. Markle, clerk A, Office of Physical Plant, from April 13, 1964, until her retirement July 1, 1978; died Dec. 3, 1997. She was 84.

Margaret L. McCloskey, food preparer B, Housing and Food Services, from Sept. 6, 1960, until her retirement April 14, 1977; died Oct. 22, 1997. She was 73.

Terry D. Rader, associate professor of forest resources, College of Agricultural Sciences, from Jan. 1, 1973, until his retirement April 1, 1988; died Nov. 7, 1997, at the age of 63.

Sarah M. Renner, secretary, Commonwealth Educational System, from Dec. 5, 1955, until her retirement May 1, 1971; died Nov. 14, 1997, at the age of 87.

Lawrence W. Rishel, engineering aide, Applied Research Laboratory, from March 28, 1966, until his retirement July 1, 1983; died Oct. 30, 1997. He was 76.

Robert Robinson, adjunct professor of soil technology and agronomist at the USDA Pasture Research Laboratory from 1937 to 1956 and from 1965 until retiring in 1969; died Nov. 15, 1997, at the age of 88.

Bill Solley, assistant professor of criminal justice, Penn State Berks, from July 1, 1973, until his retirement Jan. 1, 1989; died Nov. 24, 1997. He was 69.

Sheila K. Spangler, senior research support associate, College of Medicine, The Hershey Medical Center, from Sept. 4, 1984, until her death Nov. 13, 1997. She was 48.

Jean L. Spears, physical therapy aide, The Hershey Medical Center, from Sept. 18, 1977, until her retirement April 2, 1994; died Oct. 23, 1997, at the age of 64.

Isabel D. Stout, secretary, Health, Physical Education and Recreation, from March 18, 1962, until her retirement June 30, 1986; died Nov. 15, 1997. She was 73.

John B. Thomas, engineering aide, Applied Research Laboratory, from Sept. 1, 1945, until his retirement July 1, 1976; died Oct. 31, 1997, at the age of 87.

Winston R. Weisman, research professor of art history, College of Arts and Architecture, from July 1, 1954, until his retirement July 1, 1974; died Oct. 9, 1997, at the age of 88.

THE SURVEY SAYS ...

Intercom doing a good job, but could improve

Some changes are in the works in the coming year for *Intercom* following a mail survey of 2,500 full-time University employees at all locations. We asked your opinion on several readership items and a full 45 percent responded with answers and suggestions that ran the gamut from "I like it" to "It seems too conservative; tackle tougher issues."

Last year, surveys went out from the Department of Public Information, the office responsible for publishing the *Intercom*, to a wide range of individuals. The survey sample was taken from the employee mailing list and was stratified to ensure representation of all employee groups in the study. The survey was not coded, guaranteeing the confidentiality of responses.

Published about 37 times a year, the *Intercom* is put together by a staff of two: Lisa M. Rosellini, editor, and Annemarie Mountz, associate editor, with the aid of staff assistant Chris Koleno. Other members of the Public Information staff contribute with articles, but a large portion of the information found in *Intercom* comes directly from you, the reader. The *Intercom* has existed in its present form since 1971 when a faculty bulletin and a staff newsletter merged. Before this survey, *Intercom* never conducted a survey to collect information on readers' wants and needs and has basically followed the same format for the past 26 years. The recent survey, which will be repeated in five years, was undertaken to answer the following questions:

— How do faculty and staff obtain news and information about Penn State?

— Does *Intercom* provide faculty and staff with the news and information they want to know?

— Which stories or features are most interesting to readers?

— Would faculty and staff be more inclined to read *Intercom* in an electronic version rather than a print version?

Intercom serves a wide and diverse audience across the 24 University locations where it is delivered. Every full-time Penn State employee receives the *Intercom*, as well as those who have retired with 20 or more years of service and have elected to continue their subscription. The majority of those who answered the survey have worked at Penn State for between 8 and 15 years (31 percent), while the largest employee group to respond was staff (with 25 percent of those being non-exempt personnel and 29 percent classified as staff exempt).

Through the questionnaire, we have learned that 82 percent of those polled use *Intercom* as their primary source for obtaining news and infor-



Getting good grades

Those who responded to *Intercom*'s first-ever readership survey gave the faculty/staff newspaper generally good marks. The paper will undergo some changes based on survey results.

mation about Penn State. Respondents were asked to select all sources that apply, so 55 percent answered that they get their information from campus or department newsletters, 53 percent rely on their local media, 41 percent refer to e-mails, list serves or Web sites, 38 percent consult *The Daily Collegian*, 17 percent obtain information from the Penn State alumni magazine and 3 percent said they don't look to any of these sources for their news.

Of the sources listed above, *Intercom* was selected by 43 percent of the respondents as the one that does the best job of providing University information.

Fifty-nine percent of those polled said that for the most part, *Intercom* provides the right amount of information, with 52 percent answering that "most of the time" *Intercom* stories give an accurate portrayal of the University's activities and direction. Fifty-two percent also gave *Intercom* a "good" rating for providing news and information, while 16 percent said *Intercom* was "excellent" at its job.

Based on the responses from the survey, *Intercom* appears to be fulfilling its mission — but some adjust-

ments could be made to improve content and design. Many want the publication to tackle issues that affect them directly, from changes in policy to the president's views on certain topics. Some want a better look into the decision-making process and more comparisons with peer institutions, while others think a "Letters to the Editor" section would help the University improve its communication efforts.

One change that has long been discussed at *Intercom* is a "Letters to the Editor" column. Plans are still in the works to launch this initiative in the coming year, but the two-person staff of *Intercom* makes such a time commitment difficult to institute. Please bear with us as we work through the details of this important change. Your participation will be key to the success of a "Letters" section. Last year, *Intercom* began its popular "Glad You Asked" column in which readers are able to ask questions about University policies, benefits or any subject they wish and receive an answer from those in charge. The column was instituted at the suggestion of President Graham B. Spanier as a way to open the

lines of communication and give voice to University employees.

Others responding to the survey asked for more human interest stories — the kind that feature co-workers both at work and at home. In the past, the *Intercom* has run a photograph and caption featuring a Penn State employee. We plan to reintroduce a modified version of this feature, selecting individuals with interesting, high-profile or unusual jobs. Again, we rely on you, the readers, to submit information or suggestions on people who deserve recognition or who are interesting or entertaining.

More details and stories on benefits was clearly a need expressed by readers (43 percent) and this information has been turned over to the Office of Human Resources. One reader asked us to "jazz up" our pages, maybe add color. Cost will always play a role in the production of the *Intercom* and when warranted, color is an option. We are, however, seeking design advice from the Pennsylvania Newspaper Publishers Association in an effort to stay up-to-date and make *Intercom* more visually appealing.

Another consistent response from readers focused on the time *Intercom* is delivered. The survey brought to our attention the fact that *Intercom* may not be arriving in a timely manner on each designated Thursday. We have asked Mailing Services, the unit responsible for sending out *Intercom* every week to University Park and other locations, to discontinue holding the paper until a day before its publication date, as was the practice in previous years, and to begin distribution immediately. The *Intercom* can also be found on the Web every Thursday morning at <http://www.psu.edu/ur/intercom/>. However, according to the survey, faculty and staff don't think they would be frequent readers of an online version of *Intercom*.

"We cannot stress enough how important reader input is to *Intercom*," said Lisa Rosellini, editor. "Although we try to keep our ear to the ground for information and news that is of interest to our audience, contributions and story ideas from readers are always our best source. I also encourage readers to regularly let us know how we're doing. E-mail has made it much easier for people to reach us, both with comments and information. Our e-mail addresses can be found on the back of each issue."

We can be reached at LMR8@PSU.EDU. Associate Editor Mountz can be reached at axm219@psu.edu; and Koleno can be reached at ctk3@psu.edu. For copies of the survey results, please contact the editor.

Research

Anabolic steroid use rising among teen-age girls; stable among boys

By VICKI FONG
Public Information

Among teen-age girls, anabolic steroid use has approximately doubled since 1991, whereas use among adolescent boys has remained nearly unchanged, according to a new study.

"While there were numerous public and private intervention efforts in the late 1980s and early 1990s, our society continues to greatly reward 'winning at all costs' and emphasize physical appearance over other traits," said Charles Yesalis, professor of health policy and administration and exercise and sport science.

"These negative messages constantly bombard our young people and are difficult to contradict. We may need to rethink our overall strategies and particularly redirect some of the focus to young girls, as well as strengthen our moral attitudes toward all kinds of cheating in sports," Yesalis said.

One national study, "Monitoring the Future," reported trends for lifetime steroid use among eighth-, 10th- and 12th-grade students. For eighth-grade girls, the percentage of lifetime users rose from 0.8 percent in 1991 to 1.4 percent in 1996. For 10th-grade girls, the percentage rose from 0.5 percent in 1991 to 1.1 percent in 1996. For 12th-grade girls, the percentage rose from 0.4 percent in 1991 to 0.6 percent in 1996.

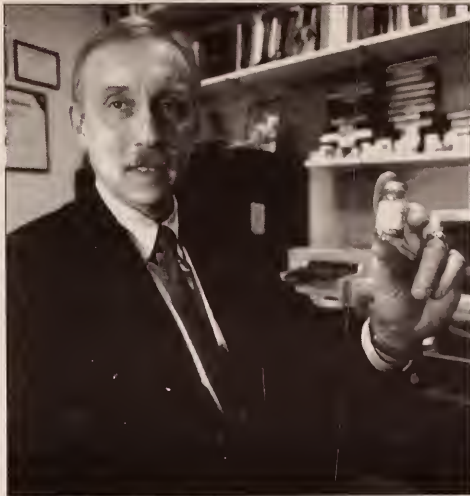
Another study, the "National Household Survey on Drug Abuse," also reported a significant rise in use by 12- to 17-year-old female respondents: from 0.2 percent in 1991 to 0.6 percent in 1994.

For males, based on data from three national studies, steroid use has been generally stable since 1991.

The 1995 Youth Risk and Behavior Surveillance System data show that of ninth- to 12th-graders in public and private high schools in the United States, 4.9 percent of males and 2.4 percent of females have used anabolic steroids at least once in their lives. These prevalence rates translate to approximately 375,000 adolescent male and 175,000 adolescent female steroid users.

"The increase in female use could be attributed to several factors," Yesalis said. "Efforts to provide equity for female athletes have resulted in a greater sense of competitiveness, more opportunities at the collegiate, Olympic and professional levels; and higher financial rewards for winning. But we may be seeing the negative aspects as well: cheating, drug use and pressure to win at all costs."

"Also, a lean muscular 'hard body' image is popular currently



Charles Yesalis displays a bottle containing a steroid. Yesalis, professor of health policy and administration, said girls may not be getting the message about the dangers of steroid use because that message has historically been aimed at boys.

Photo: Greg Grieco

among actresses and models, prompting young girls to imitate those so-called 'ideals,'" he said. "Finally, many of the education and prevention programs are aimed at boys specifically, and young girls have not paid attention to those messages."

For women, the use of anabolic steroids, which is a male hormone, has a greater impact on their bodies and athletic performance than the drugs do on men. While they gain greater strength, young girls face possible permanent side effects.

"This is in addition to risks of heart and liver diseases associated with long-term anabolic steroid use," Yesalis said. "We don't know the long-term effect on women's reproductive systems. When a young teen takes these drugs, the possibility of permanent damage is significant because their bodies are still maturing."

Educational and legal intervention efforts of the late 1980s and early 1990s may have initially helped reduce anabolic steroid use, but these recent trends found among eighth-, 10th- and 12th-grade students suggest that other prevention strategies may be needed as well.

"Previous programs are divided into those that detect use, punish users, educate potential users about the dangers and help current users to stop abuse," Yesalis said. "No one method alone will be successful. It may be most important to teach teens specific refusal skills, such as resisting peer and media pressures to value only looking good and quick results regardless of the consequences."

One of the most effective lines of defense is the attitude of the coaches and parents, said Yesalis.

"The wrong messages are too often being sent that it's OK to cheat to gain a sports advantage and that using chemicals to alter your body to play sports or look good is OK," he said. "Misguided parents, coaches and athletes will often rationalize such behavior by focusing on winning scholarships or achieving a pro career. No youngster should be forced to compromise morally for illusory gains."

The study was conducted by Yesalis; Camille K. Barsukiewicz, doctoral candidate in health policy and administration; Andrea Kopstein, National Institute on Drug Abuse; and Michael Bahrke, Human Kinetics.

American Girl dolls criticized for their distortion of history

By PAUL A. BLAUM
Public Information

The American Girl series of dolls presents a sanitized and often distorted view of American history that ignores unpleasant realities, past and present, said a researcher.

"When history and politics are disguised in the image of nostalgia, innocence and simplicity, there is much more at stake than the danger of simple deception," said Jeanne Brady, assistant professor of education and a specialist in curriculum and supervision. "History presented in American Girl trappings becomes a romanticized chronicle exonerated of its contradictory, complex and seamy sides."

Brady said the purpose of historical fiction should not be to expose children to the atrocities of the past. "However, it should be able to transform an uncomplicated reading of history into a tangible experience that allows both students and teachers to confront the past and challenge the present."

Brady is author of the chapter "Multiculturalism and the American Dream," in the recently published book, *KinderCulture: The Corporate Construction of Childhood* (Westview Press).

Most recently, the American Girl Collection consists of five American Girl dolls — Felicity, Kirsten, Addy, Samantha and Molly — with historically accurate clothes and accessories. They can be purchased along with a series of companion books explaining the details of a girl's life during a particular historical period, Brady said.

"The American Girl series, consisting of matching dolls and texts, is intended to show that life in the past — whether it be 1774, 1854, 1864, 1904 and 1944 — was simple, wholesome and complete. While they contain moments of adventure, stories conveniently overlook issues of struggle, conflict, imperialism and repression," Brady said.

As a part of the commercial packaging, the images and text display nostalgic and romantic notions of childhood shared by only certain segments of American society, Brady said.

"The elegant packaging of the catalog, along with its elegant price, gives further evidence that the American Girl series is marketed only for the social and economic elite," she said.

INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

Academic honors

Sophomore middle hitter Lauren Cacciamani has been selected to the 1997 GTE Academic All-District Volleyball Team. The Paramus, N.J., native has a 3.66 grade point average in art. Cacciamani led the Big Ten in hitting percentage and blocks per game.

New women's track assistant

Caryl Smith, a UCLA graduate and track coach from Denver, has joined the coaching staff at Penn State as assistant in women's track. Smith replaces Wendy Truvillion, who has returned to Atlanta, Ga., to pursue a career in athletic administration.

Smith was a three-time All-American during her career with the Bruins. She also competed three times with the U.S. National Junior team from 1985-87. She received her degree from UCLA in film and television production in 1991.

She was an assistant coach with the Colorado Flyers for two years before assuming head coaching duties for girls' track at George Washington High School in Denver in 1994. In 1995, Smith was named Coach of the Year by the Colorado High School Coaches' Association and the Denver Public Schools Girls' Track Coach of the Year.

Kudos

Three members of Penn State's women's volleyball team were named to the American Volleyball Coaches Association All-America Team and Russ Rose is the Tachikara/AVCA National Coach of the Year.

Senior middle hitter Terri Zemaitis and sophomore setter Bonnie Bremner were named to the AVCA's first team, and sophomore middle hitter Lauren Cacciamani was a second team choice. Zemaitis is a three-time AVCA All-American. Bremner, the Big Ten Player of the Year, was a second team AVCA pick last season.

Now in his 19th season as coach of the Lions, Rose also was named AVCA Coach of the Year in 1990. Rose has earned a 619-118 (83.9) record at Penn State, leading the Lions to the NCAA Tournament every year since the event began in 1981. Penn State has won or shared four Big Ten Championships in its seven years of league competition.

For the latest information on Penn State Sports, visit the official Intercollegiate Athletics' Web site: <http://www.psu.edu> (Click on sports).



Getting ready

Penn State Bookstore employees Kara McGill, a sophomore in liberal arts, and Eli Maslin, a sophomore in architectural engineering, were busy before the holiday break stocking textbooks at the bookstore next to the Hetzel Union Building on the University Park campus. The store, like many others, began preparing for spring semester before fall semester ended. Spring classes began Jan. 12.

Photo: Greg Gneco

Information on closings, delays available from several sources

In the throes of another frosty Pennsylvania winter, University Park employees and students have several places to turn for information on closings, work delays or cancellations.

The most immediate source is WPSU-FM, Penn State's National Public Radio station, at FM channels 91.5; 90.1 in DuBois; and 106.7 and 91.5 in Altoona. Subscribers to TCI Cable Television in the State College and Bellefonte areas also can hear WPSU radio on TV Channel 7 between scheduled programming.

In addition, in the event of a weather emergency people also can call (814) 865-4000 to hear major weather-related announcements repeating information broadcast by WPSU-FM radio. Coordinated by the Department of Public Information and the Office of Telecommunications, the service will give callers the latest on any decisions made to change class or work activities.

The Department of Public Information also extends an invitation to sign up for the Penn State Newswire, an electronic send of the day's news events and emergency communications—including closings and cancellations due to inclement weather. To subscribe to Newswire, send an e-mail request to pat5@psu.edu.

For the Record

In a Dec. 4 back page story, the telephone number for obtaining information about the Rosemary Schraer Mentor Award and nomination forms was listed incorrectly. The correct number is (814) 863-7696. The Schraer award, sponsored by the Commission for Women, honors a University employee who has excelled in helping others recognize and achieve their potential professionally and personally. Nominations must be received by Jan. 23.

PENNSTATE INTERCOM

Department of Public Information
312 Old Main, University Park, PA 16802 Phone: (814) 865-7517
Address correction requested

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Information for publication may be FAXED to (814) 863-3428, or e-mailed to LMR8@PSU.EDU or AAW219@PSU.EDU.

Lisa M. Roselini, editor
Annamarie Mountz, associate editor
Chris Koleno, staff assistant/calendar

Find us on the Web at <http://www.psu.edu/jrnl/INTERCOM/>

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Volume 27, Number 17

Paternos donate \$3.5 million

By ANNEMARIE MOUNTZ
AND LISA M. ROSELLINI
Public Information

While some collegiate coaches stress academic excellence as well as athletic prowess, none seem quite as emphatic as Nittany Lions Head Football Coach Joe Paterno and his wife, Sue. The couple recently endorsed their faith in higher education with a \$3.5 million gift to the University.

The Paternos have a long history of support for academics at Penn State, and last week they once again showed their deep love for the University and its community with a multi-million dollar gift that will endow faculty positions and scholarships, and support two building projects.

"Penn State has been very good to both Sue and me," said Joe Paterno. "We've met some wonderful people here, we've known many students who have gone on to become outstanding leaders in their professions and in society and all of our children have received a first-class education here. I've never felt better about Penn State and its future potential than I do right now. Sue and I want to do all we can to help the University reach that potential."

"We are able to do this as a family," he added, "because, while we have lived comfortably, our desires have been modest. Over 48 years here our income has increased substantially, but our lifestyle has remained essentially the same. We've talked about this for 20 or 25 years, and have always wanted to do as much for the University as we could. We didn't really need the money. We always felt the best place for it was the University."

Stressing that "money was never important to us," Sue Paterno said, "What is important is the



Generous benefactors

Joe and Sue Paterno, shown here at a press conference on Jan. 16 to announce their gift, have long supported academics in word and deed. Their latest gift continues their legacy of giving to Penn State.

Photo: Greg Grieco

future of the world, especially now that we have three grandchildren."

"My parents are definitely committed and dedicated to the University and educating people," said their oldest daughter, Diana, a 1985 graduate of Penn State with a degree in finance. "They believe in the importance of education in preparing you for life and they have always stressed honesty and integrity and working hard to achieve your goals."

Mary Kay, the second of the five Paterno children — all of whom graduated from Penn State — said that while growing up, her parents passed "an enormous emphasis on academics and studying and no television during the week."

"I think they both believe, particularly my dad because of his experiences, that they have been able to get where they are through education. The opportunities that presented themselves, the doors that opened for them, have been because of education. And they do strongly believe that everyone should have that opportunity."

See "Paternos" on page 2

Governor releases \$3 million for projects

Calling Penn State one of the gems of Pennsylvania's network of institutions of higher learning, Gov. Tom Ridge released nearly \$3 million in state capital budget funds for projects at two Penn State University campuses on Jan. 19.

Ridge released \$1.82 million for renovations to Penn State's Animal Diagnostic Laboratory and Incinerator at the University Park campus. The facility's renovations and construction will include additional laboratory space and improved bio-security features.

Ridge also released \$1.14 million to replace the underground heating system at Penn State Harrisburg.

The announcements are part of Gov. Ridge's \$200 million capital funding commitment to Penn State over the next five years.

Ridge said the animal lab improvements "will help meet the regional demands for animal diagnostic services. Combined with the recent

See "Projects" on page 3

Ground is broken for Fayette's \$4.7 million biomedical tech center

Construction will begin Jan. 26 on a \$4.7 million biomedical technology center at Penn State Fayette in Uniontown, a state Department of General Services project.

The new center will enable the campus to enhance its two-year associate degree program in nursing and its R.N.B.S. "completer" program, through which individuals with R.N. degrees can go on to a bachelor of science degree in nursing. The two-story, 27,400-square-foot center will include laboratories and faculty offices for the biology, chemistry, physics/earth sciences and nursing programs. It will also house a 125-seat general science, computer networked lecture hall, a classroom and a greenhouse.

The architect is Altman & Altman Architects of Uniontown. The general contractor is Spartan Construction. The new building is expected to be completed in time for spring 1999 classes.

Inside



Board of Trustees names new chairman

Edward P. Junker III, an Erie businessman, has been named to succeed H. Jesse Arnette as chairman of the board. For more information on Junker, turn to page 4.



Leaves of Absence

Faculty members from colleges and locations outside of University Park have been granted leaves of absence for the purpose of intensive study or research. To learn about the projects and the faculty members, please see page 16.

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Paternos

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Sue Paterno agreed and said the gift also was a way to honor people who were most influential in their lives — their parents and a high school Latin teacher.

"Our parents helped shape who we are today and gave us many opportunities for personal growth. They believed in education as the key to our futures, and my mother is pleased others will benefit from this gift just as Joe's parents and my father would have been," she said.

The Paternos directed \$2 million of their gift to establish and support the following endowments:

- A professorship in the University Libraries.
- A professorship in the College of the Liberal Arts.
- A graduate fellowship and undergraduate scholarship in the School of Architecture and Landscape Architecture, named in honor of Sue Paterno's mother, Alma Heinz Pohland, and in memory of her father, August Louis Pohland.
- A graduate fellowship in the College of the Liberal Arts, named in memory of Joe Paterno's parents, Florence and Angelo Paterno.
- A scholarship in the classics in the College of the Liberal Arts, named in honor of the Rev. Thomas Bermingham, S.J., the high school Latin teacher who fostered Joe Paterno's love of the classics.

The Paternos also earmarked \$1 million to fund a new interfaith spiritual center and \$250,000 to help build the All-Sports Hall of Fame, both on the University Park campus. Coach Paterno said they have yet to decide what the remaining \$250,000 will go toward.

"Eisenhower was built when I was a student," Sue Paterno, a 1962 graduate, said. "It has never changed in size and given the size of our student body, the chapel is not adequate to serve our students. Our goal has been to get a larger worship center."

President Graham B. Spanier said the new spiritual center will be an addition to Eisenhower Chapel, which currently is used by about 30 student religious organizations and is the site of more than 3,800 events annually. The chapel also houses the University's Center for Ethics and Religious Studies. The timetable for construction will be established following additional fund raising for the facility, which will be supported solely by private funds as part of the University's capital campaign.

The All-Sports Hall of Fame will provide a common area at University Park campus to showcase the accomplishments of the University's student-athletes. The Paterno gift adds to financial support for the project from many former Penn State student-athletes and other private sources. No public revenues, University funds, tuition money or student activity fees will

The Paternos directed \$2 million of their gift to establish and support the following endowments:



The Paternos also directed \$1 million to fund a new interfaith spiritual center and \$250,000 to help build the All-Sports Hall of Fame, both on the University Park campus. They will decide designations for the remaining \$250,000 at a later time.

Intercom graphic: Annemarie Mountz

pay for the construction. The building will be located between Beaver Stadium and The Bryce Jordan Center. No construction date has been set.

The Paterno legacy is clear. Other well-known, successful coaches have had athletic facilities named in their honor. Because of their generous gifts of time, talent and treasure in the name of academic excellence, Penn State last spring chose to honor the Paternos by naming the \$27 million Paterno Library for them. In 1992, the Paternos donated \$250,000 to help build the new library, which is now under construction as an extension of Pattee Library, and they co-chaired the campaign that raised more than \$12 million in private gifts that was combined with state funds for the project.

"We believe this most recent gift from the Paternos is unique in higher education philanthropy, because as far as we've been able to determine, it appears to be the most

generous gift ever made by a collegiate coach to a university," Spanier said. "I'm the luckiest University president in the United States."

Marian U. Coppersmith Fredman, former president of Penn State's Board of Trustees, current board member and long-time friend of the Paternos, said the Paterno gift was not a surprise.

"These are the kind of people who are constantly doing things that make people say, 'How do they do it all?' Not just when things are going wonderfully well, but always," Fredman said.

"They have no peers, really. In my opinion, they are it — in the most humble of ways."

The Paternos philanthropic history is impressive. Other gifts from the Paternos include \$120,000 in 1984 to create a library acquisitions fund and \$500,000 to endow scholarships for minority students.

In addition, Joe Paterno was vice chairman of the \$352 million Campaign for Penn State and a committee member for \$20 million effort toward building The Bryce Jordan Center. He currently serves as an honorary chair of Penn State's forthcoming capital campaign, and Sue Paterno serves as honorary chair for the University Libraries segment of that campaign.

"I find it truly remarkable that Joe and Sue would take a substantial portion of their life savings and return it to the University," Spanier said. "They have chosen to support some of our most critical academic needs and visionary initiatives. At the same time, the inspirational value of their gift is incalculable. It will surely motivate others to stretch as Joe and Sue have done in their own support of Penn State."

Coach Paterno said he does hope the \$3.5 million gift will prompt others to examine their giving levels and realize they can help make a difference.

Joe Paterno, a Brooklyn native, came to Penn State in 1950 as an assistant coach. He became head coach in 1966 and since that time has compiled a record of 298 wins, 77 losses and three ties, making him the leader in total victories among active NCAA Division I-A coaches. Under his leadership, the Nittany Lions have won two national championships and a Big Ten conference championship, and have played in 28 bowl games. He is a 1950 graduate of Brown University, with a bachelor's degree in liberal arts. In 1973, Penn State named him an Honorary Alumnus.

Sue Paterno is a native of Latrobe and is a 1962 graduate of Penn State with a bachelor's degree in arts and letters. She has served on a variety of volunteer leadership roles on behalf of the Penn State libraries, including a term as chair of the Libraries Development Advisory Board, as a founding member of the Liberal Arts Alumni Society and as honorary chair of the Penn State Alumni Association's National Service Week. In 1995, she received the Lion's Paw medal, an honor reserved for those who have given the highest level of service to the University.

She was honored as Renaissance Woman of the Year at a 1996 dinner that raised a record \$175,000 in donations for Penn State scholarships. Sue Paterno has served as honorary chair of the Centre County United Way. A board member with the Pennsylvania Special Olympics since 1991, she also has co-chaired the opening and closing ceremonies of the Summer Games for several years and chaired the outreach, VIP and fund-raising committees.

Sue Paterno has helped many Penn State students better their lives through education. Not only does she tutor students in English, she also helped establish in 1990 the Summer Institute for Academic Achievement — a program that offers minorities additional preparation for college-level work and familiarizes them with the University.



Leading by example

William Schreyer, who recently gave \$30 million to Penn State, shakes hands with Sue Paterno after the couple's announcement of their gift to the University. Schreyer and the Paternos have said they hope their gifts prompt more individuals to consider giving.

Photo: Greg Grieco

Awards

Chinese Academy honors assistant professor of physics

Xiaoxing Xi, assistant professor of physics, has received the K.C. Wong Science and Technology Award from the Chinese Academy of Science. The award provides financial support that will allow him to conduct collaborative research with scientists in the Chinese Academy of Science.



XIAOXING XI

Xi's research concerns the physics underlying the electronic and photonic applications of metal-oxide thin films, which are used in a variety of devices including superconductor, ferroelectric, nonlinear-optical, electro-optical and magnetic materials. His specific project for the K.C. Wong Science and Technology Award involves the heterostructures of high-temperature superconductors and ferroelectric materials, particularly the correlation between deposition conditions and dielectric loss in ferroelectric thin films. More information about Xi's research can be found on the Web at <http://www.phys.psu.edu/Xi/xi.html>.

Professor earns Fulbright

John D. Connor, professor of pharmacology, has been awarded a Senior Fulbright Fellowship to teach and conduct basic research in the Department of Pharmacology, University of Addis Ababa, Ethiopia. Dr. Connor will help upgrade instructional programs for medical and graduate students in cardiovascular and neuropharmacology. He also will contribute to ongoing laboratory research on the potential medicinal properties of botanicals indigenous to East Africa. His previous research has dealt mainly with chemical neurotransmitters in the brain and the impact of drugs on synaptic transmission and behavior.

Dr. Connor is one of 60 Americans selected for grants in Africa during 1997-98. The Fulbright Program is administered by the U.S. Information Agency of the Department of State. It was established by Congress in 1946 to "increase mutual understanding between the people of the United States and the people of other countries."

25-year Awards



KENNETH DINANT



MARY MCKINLEY



DREW HYMAN



DANIEL KNieVEL



RICHARD SMITH



FAY STRICKLER

Observing 25 years of service at the University are, from left, Kenneth Dinant, storeroom delivery worker, and Mary McKinley, staff assistant IV, both in Continuing and Distance Education; Drew Hyman, professor of public policy and community systems; Daniel Knievel, associate professor of crop physiology; Richard Smith, Sullivan County extension director, and Fay Strickler, senior extension agent in Berks County, all in the College of Agricultural Sciences.



PAUL BLANKENHORN



ERSKINE CASH



BARBARA MCKEE



CHRISTINE TOMASCIK



VICKIE HENRY



JANET C. SHANK

Observing 25 years of service at the University are, from left, Paul Blankenhorn, professor of wood technology; Erskine Cash, professor of animal science; Barbara McKee, associate extension agent in Armstrong County; and Christine Tomascik, extension agent in Luzerne County, all in the College of Agricultural Sciences; and Vickie Henry, trust accountant, Student Loans and Scholarships; and Janet C. Shank, staff assistant VI for academic support, Center for Student-Athletes.

Projects

continued from page 1

national accreditation of the Pennsylvania Animal Diagnostic Laboratory System, the Commonwealth is becoming significantly better suited to help our state's livestock farmers to provide consumers throughout the world with high-quality, safe products."

The Pennsylvania Animal Diagnostic Laboratory System is a unique cooperative agreement between Penn State, the University of Pennsylvania and the state Agriculture Department. This system incorporates the professional and scientific expertise of the two universities' departments of veterinary science with the

resources of the Agriculture Department's Bureau of Animal Health and Diagnostic Services and the Animal Health and Diagnostic Commission.

Ridge said the Harrisburg campus heating system is deteriorated beyond repair and is in a state of imminent failure. The new system is designed to provide service to the existing complex, as well as accommodate future expansion.

Ridge also praised Penn State head football Coach Joe Paterno and his wife, Sue, for committing \$3.5 million to Penn State to endow faculty positions and scholarships and to support two building projects.

"The Paternos' pride in Penn State is known throughout the Commonwealth and the United States," Ridge said. "Joe and Sue have demonstrated their support of Penn State over the years, and their remarkable pledge speaks volumes about their commitment to Penn State's mission."

From the Trustees Docket

Erie community leader elected board chairman

The Board of Trustees elected new officers on Jan. 16, naming Erie-based Edward P. Junker III, retired vice president of PNC Bank Corp., as chairman.

Junker has served on Penn State's board since 1986 when he was first elected by the delegates of the industrial societies and has been reelected for succeeding terms. Junker was elected to a one-year term as chairman that will expire in January 1999. He has served as vice chairman of the board for the past two years and replaces outgoing board Chairman Jesse Arnette, recently retired attorney with Arnette, Hastie, McGee, Willis and Greene, San Francisco. Arnette, who was first elected to the board in 1969 by the alumni and will continue to serve on the board, is currently counsel to the North Carolina-based firm of Womble, Carlyle, Sandridge and Rice.

In his remarks to the board, Junker cited future directions for Penn State as identified in the long-range plan released last September by the University Planning Council. He touched on the six goals outlined by the UPC, including enhancing academic excellence, building a more considerate and civil community, developing new sources of income and reducing costs through improved efficiencies.

In addition, Junker discussed the "daunting challenge" presented by inadequate state support and the "real fiscal constraints" the University faces as it attempts to continue serving the people of Pennsylvania.

A 1960 graduate of Penn State and a graduate of the Stonier Graduate School of Banking at Rutgers University, Junker joined Marine Bank — predecessor to PNC Bank Northwest PA — as an assistant vice president in 1964 and advanced to be elected president in 1974 and chief executive officer in 1983. In 1985, he was elected chairman and CEO of PNC Bank Northwest PA and vice chairman and director of PNC Bank Corp. Junker retired in March 1997, but continues to represent the bank externally.



New leader

Edward P. Junker III, center, chats with colleagues shortly after being named chairman of the Board of Trustees. Junker, who had been vice chairman, succeeds Jesse Arnette.

Photo: Greg Grieco

A prominent member of the Erie community, Junker is a member and treasurer of the Erie-Western Pennsylvania Port Authority; president of the Erie Zoological Society; immediate past president and a member of the board of directors and executive committee of the Erie Conference on Community Development; and a trustee and treasurer of the Erie Community Foundation. He is a former chairman of the board of trustees and an honorary life member of the board of incorporators of the Hamot Health Foundation and a member of the board of incorporators for Saint Vincent Health Center. In 1988-89, he served as president of the Pennsylvania Bankers Association.

Active in the development of Penn State, Junker is vice chair of the Campaign Steering Committee and a member of its executive board. He also served as a member of the executive committee of The Campaign for Penn State and served on the national

Development Council. He serves as a member of the board and the executive committee of the Penn State Geisinger Health System.

Junker is a former chairman and member of the executive board of the Council of Fellows at Penn State Erie, Behrend College, and is serving as chairman of the campaign for the college. He received the Philip Philip Mitchell Alumni Service Award in 1984 and was named an alumni fellow in the College of Health and Human Development and at Penn State Erie in 1987.

A native of Carnegie and a resident of Erie, Junker was chosen as "Man of the Year" by *Erie & Chautauqua* magazine in 1997. He has also received The Americans for Competitive Enterprise System Inc. Outstanding Citizen Award; the Alexis de Tocqueville Society Award from the United Way of Erie County; and the Gannon University Distinguished Pennsylvanian Award.

N.Y. investment manager is new vice chairman

New York investment manager Edward R. Hintz was elected vice chairman of the Board of Trustees on Jan. 16.

Hintz has been a member of the board since 1994 when he was elected by delegates from industrial societies. Founder and president of the New York investment firm of Hintz, Holman and Hecksher Inc., he began his career as an investment manager and analyst working for several top firms in the securities field before founding his own firm in 1974. His firm has been consistently cited in the *Wall Street Journal* as having an outstanding long-term investment record.

Hintz is chair of the University's forthcoming major capital campaign. He also served as vice chair of the Campaign for Penn State, from 1984 to 1990, chair of the campaign that raised funds to help build The Bryce Jordan Center and served on the committee that raised more than \$12 million for the new Paterno Library. Hintz replaces Edward P. Junker III, who was elected chairman of the board.

Hintz graduated from Penn State in 1959 with a bachelor's degree in finance and received an MBA from Harvard in 1963. As an undergraduate, Hintz was president of the Interfraternity Council, head varsity football manager and a member of two honorary societies. He was a member of Phi Delta Theta, Pi Kappa Alpha and Lion's Paw.

Hintz serves on The Smeal College of Business Administration's Board of Visitors. His wife, Helen Skade Hintz, is a 1960 Penn State graduate of the College of Health and Human Development. Their gifts to the University reflect their broad interests and include scholarships to the College of Health and Human Development and the School of Music, gifts to Penn State Berks, the University Libraries and The Bryce Jordan Center. In 1982, The Smeal College named him an Alumni Fellow and in 1987, the University named him a Distinguished Alumnus, the highest honor it bestows on its graduates.

Other board officers include University President Graham B. Spanier, who serves as ex officio secretary of the board. Officers elected Jan. 16 to one-year terms are: Gary C. Schultz, treasurer; David E. Branigan, associate treasurer; and Janet M. Krone, assistant treasurer. Paula R. Ammerman was elected associate secretary; Carolyn A. Dolbin, assistant secretary; Joan L. Coble, assistant secretary; and Linda L. Cartright, assistant secretary.

Board of Trustees approve delegate election date of May 14

The Board of Trustees on Jan. 16 approved Thursday, May 14, as the date for the delegate election of trustees and for counting the ballots in the alumni election.

Six trustees are elected by delegates from organized agricultural societies within the Commonwealth. Six trustees are elected by delegates from organized engineering, mining, manufacturing and mechanical societies (referred to as industrial societies) in Pennsylvania. The term of service for industrial societies is three years, and two terms from each category expire each year. Nine trustees are elected by the alumni for three-year terms, with three terms expiring each year.

To participate in the election of trustees, delegates from agricultural and industrial societies must be organized and in existence for at least three months preceding the election and notify the University of this fact at least 60 days before the election.

To participate in the alumni elections, voters must have received an associate, bachelor's or an advanced degree from any Penn State campus or be a former student (some restrictions apply).

Questions about the elections processes or eligibility should be directed to: Associate Secretary of the Board of Trustees, 205 Old Main, University Park, Pa. 16802; (814) 865-2521.

From the Trustees Docket

Students pick grass seed, flag to go to space

By BARBARA HALE
AND ANNEMARIE MOUNTZ
Public Information

Penn State is giving new meaning to the term "AstroTurf." So said James Pawelczyk, the University's first faculty astronaut, to the Board of Trustees moments after it was announced that he will carry Penn State grass seed with him when he blasts off in the Space Shuttle Columbia on April 2.

Along with the grass seed, Pawelczyk will carry a commemorative Penn State flag aboard the flight. The items, chosen by Pawelczyk and President Graham B. Spanier, were suggested by four students from Penn State New Kensington and are subject to NASA approval.

The three ounces of grass seed and a 24-inch-by-18-inch flag will travel in the Official Flight Kit, a two-cubic-foot locker reserved for the crew's memorabilia. Spanier said the grass seed was chosen because it is something that can be shared with every Penn State location. After the flight, the seed will be planted and one square foot of the resultant "space grass" turf will be installed at each of the 24 campuses in the Penn State system. The flag, which will bear the University's mark and the official mission patch, will be used as a podium drape whenever Pawelczyk, assistant professor of physiology and kinesiology, speaks publicly about his shuttle mission.

The students who suggested the grass seed and flag are Charles C. Eagle, Michael E. Bell, Margaret M. Bloch and Michael A. Roofner, all from the New Kensington campus near Pittsburgh. The faculty member who selected the seed types is David R. Huff, assistant professor of turfgrass and genetics at University Park.

NASA regulations allow each shuttle crew member to include 10 items in the flight kit. Last fall, Pawelczyk sent an open letter to each Penn State campus asking students to make suggestions. The team from Penn State New Kensington responded along with students from throughout the 24-campus system. In addition to the grass seed and flag, the New Kensington team suggested a "We Are Penn State" banner, two diplomas and a Penn State cap. Other popular suggestions were a cardboard Joe Paterno and a football.

Huff, who selected the grass seed from among those developed at Penn State, said experimental lines of Kentucky bluegrass and perennial rye grass



Talking it over

James Pawelczyk, left, discusses Penn State's contributions to his official flight kit with David R. Huff, assistant professor of turfgrass and genetics. Huff selected the seed types that Pawelczyk will take with him aboard Space Shuttle Columbia, which is due to launch April 2. Pawelczyk also will carry a Penn State banner into space.

Photo: Greg Grieco

will go on the space trip. Genetically identical seeds will be kept on Earth to compare with the space-flown seeds to look for any mutations that might result from the effects of space flight. He said that turfgrass seed has never before been flown in space.

Pawelczyk is one of two primary payload specialists among the seven crew members scheduled to be aboard the April mission, which is known both as Neurolab and STS-90. Neurolab, a 16-day mission, is dedicated to research on the nervous system and behavior. Its goal is to increase the understanding of the mechanisms responsible for neural and behavioral changes in space, and if all goes as planned it will be the longest-duration shuttle mission to date.

Pawelczyk also will talk with students while in orbit.

"We have planned a 10-minute time where I will be able to have a live, interactive question-and-answer period with students at Penn State. I'm not sure when that will be during the mission, but we're moving forward with plans for that," he said.

Training for the mission consists of several phases. For the first year, Pawelczyk and the rest of the crew concentrated on the experiments, and then worked on how to conduct them in a space environment.

"Right now, we're practicing how to live and work in space and how to reconfigure the shuttle from a rocket to a lab to an airplane," Pawelczyk said.

They're also learning how to eat in a microgravity environment, although the food itself is pretty common.

"Shuttle food is equivalent to freeze-dried camping food. We're going to pretty much stay with a terrestrial diet," he said.

With fewer than 90 days to go before the launch, Pawelczyk's perspective on space flight has changed somewhat from when he was first chosen.

"I have a healthier appreciation for just what a phenomenal tool the space shuttle really is, that we can configure it from a rocket into a laboratory module. It's a very adaptable instrument that we use in flight," Pawelczyk said.

Any fears he may have had at the outset have diminished during his training.

"One thing that NASA is really good at is training for any possible contingency. A lot of the unknowns for me in terms of how we would handle a particular situation are now known. I think that makes it all very palatable," he said.

With final preparations under way for Space Shuttle Columbia, enthusiasm is growing with the entire crew, Pawelczyk said.

Pawelczyk has studied irregularities in blood pressure control associated with deconditioning. Many astronauts experience problems with blood pressure after returning from a flight and some crew members have reported bouts of dizziness and unsteadiness for several hours after returning to Earth. To determine the cause of these changes, some of the experiments to be conducted aboard Neurolab will use the astronauts themselves as subjects.

Pawelczyk will be the first faculty member and the fourth Penn State graduate to fly aboard the Shuttle. Penn State alumni who have flown aboard the Shuttle include Guion Bluford, a 1964 graduate who flew on Challenger in 1983; Paul Weitz, 1954 graduate who also flew on Challenger in 1983; and Robert Cenker, a 1970 and 1973 graduate who was a payload specialist on Columbia in 1987. Pawelczyk earned his master's degree in physiology at Penn State in 1985.

Framework for fostering diversity presented to the board

Preparing students to be citizens of a civil democracy in the next century is among the key objectives of an updated strategic plan for diversity at Penn State.

The trustees heard a report concerning "A Framework to Foster Diversity at Penn State, 1997-2002" from Thomas G. Poole, assistant vice provost for educational equity. Still undergoing final revisions, the document was commissioned as a University-wide diversity plan by the University Planning Council.

"The plan is rooted in the conviction that the development of understanding is part and parcel of Penn State's educational mission that seeks to prepare students for life and work in a civil democracy in the 21st century," Poole said.

The overall goals of the planning document include:

- Creating a welcoming campus climate by translating knowledge and appreciation of diversity into civil and welcoming activities for and by students, faculty, staff, alumni and visitors.

- Recruiting and retaining a diverse workforce. A crucial factor is the development of managers and supervisors within the staff and faculty who have the skills to recruit, manage and mentor diverse populations. New leadership programs and courses are being developed to help train future University managers.

- Developing a curriculum that supports the goals of the new general education plan. The Uni-

versity's new general education plan seeks to integrate cultural diversity skills and international competency requirements into academic programs.

- Coordinating organizational change to support diversity goals. A supportive fiscal resource base and effective institutional infrastructure are critical to successfully implementing diversity action plans.

"The 'Framework' plan calls us together as a University community to join in the common project of teaching those skills and modeling those public virtues that will be necessary for the vitality of communities, families and social institutions in our increasingly diverse nation as well as our global village," Poole said.

From the Trustees Docket

Eight to receive Distinguished Alumni Awards

The Board of Trustees on Jan. 16 selected eight alumni to receive the Distinguished Alumni Award, the University's highest award for an individual.

Following are the 1998 Distinguished Alumni, year or years of graduation, and current title:

■ **Edward Anchel** of Milford, a 1960 bachelor's degree graduate in business administration from The Smeal College of Business Administration. He is president and chairman of the board of Altec Lansing Technologies Inc.

■ **Donald M. Cook Jr.** of Indianapolis, Fla. He received his bachelor's degree in recreation and parks from the College of Health and Human Development in 1952, and received his master's degree in counselor education from the College of Education in 1960. He is the retired president of SEMCOR Inc.

■ **Carmen Finestra** of Los Angeles, Calif., a 1971 bachelor's degree graduate in general arts and sciences. He is partner and executive producer of Wind Dancer Productions.

■ **Marian U. Coppersmith** of Fredman of State College received her bachelor's degree in 1953 in journalism, which is now part of the College of Communications. She is president of The Barash Group and Morgan Signs Inc., and is publisher of *Town & Gown Magazine* and *Where & When Travel Guide*.

■ **Hiroshi Honda** of Narashino City, Japan, is a 1976 master's degree graduate in engineering mechanics from the College of Engineering. He is senior research engineer with the Research and Survey Department of the Japan Space Utilization Promotion Center.

■ **Philip G. Keeney** of State College received his doctoral degree in dairy science from the College of Agricultural Sciences in 1955. He is professor emeritus of food science at Penn State.

■ **Dr. Albert Montgomery Klugman** of Philadelphia received his bachelor's degree in botany from the Eberly College of Science in 1939. He is emeritus professor of dermatology of the University of Pennsylvania School of Medicine and director of the Aging Skin Clinic and attending physician, Hospital of the University of Pennsylvania.

■ **Major Gen. (Ret.) John H. Stanford** of Seattle, Wash. A 1961 bachelor's degree graduate in arts and letters from the College of the Liberal Arts, he is superintendent of the Seattle Public Schools.

Great Valley, Erie projects moving forward

The Board of Trustees on Jan. 16 approved the appointment of an architect for a conference building at Penn State Great Valley and approved naming the facility the Safeguard Scientifics Building in honor of a generous donor, Warren V. Musser, who owns the Safeguard Scientifics Co.

The firm of GBQC Architects of Philadelphia has been selected as architect of the facility. The \$5.6 million building will house a 300-seat auditorium, conference support space, 10 seminar/classrooms, faculty and conference offices and a technology classroom.

Penn State Great Valley near Philadelphia offers graduate degrees to full- and part-time students as well as certificate and continuing and distance education classes. It is organized to accommodate the schedules of full-time professionals, such as engineers, middle managers, teachers, corporate trainers, educators and other adults advancing or changing their careers.

At Penn State Erie, Behrend College, the board approved final plans and gave authorization to award contracts for the construction of Ohio Hall, designed by Hoffman-Popovich



Picturing the future

This artist's rendering shows the design for Ohio Hall at Penn State Erie, Behrend College.

Architects and Associates of Boalsburg.

The residence hall is similar in design to the recently completed Almy Hall, with an exterior of split-face masonry, composite vertical siding, glazed block and a steep-pitch gabled roof with dormers. It will be five stories high and house 265 residents in 64 single and 96 double rooms, and nine rooms for students

with disabilities and resident hall assistants. It also will have student office space, a fitness center, visiting scholar apartments and lounges on each floor. A 247-space parking lot is included in the project, which will cost \$10.8 million.

The board also approved naming a small building behind the Logan House at Penn State Erie the Logan Carriage House.

Berks master plan gains board approval

A new campus master plan to guide the future growth of Penn State Berks, Berks-Lehigh Valley College, was approved by the Board of Trustees on Jan. 16. The plan is one of a series of campus studies undertaken by the University's Office of Physical Plant.

Issues addressed during the planning process included maintaining the campus character, identifying potential building sites, addressing external impacts, parking and circulation.

"One of the principle planning considerations for the master plan was to preserve the natural environment of the campus — the wooded areas will be preserved and will remain undeveloped," said William Anderson, assistant vice president for physical plant. The natural buffer east of Broadcasting Road will be retained and the wooded area west of the student housing complex will be preserved.

According to the plan, the main entrance to the campus on Broadcasting Road will be relocated with the large open area north of the main parking area becoming the front lawn of the campus. Future buildings in this area will further define the lawn. The functional relationships between the new student housing and the Perkins Student Center also will be enhanced.

The board also approved preliminary plans for a four-story residence hall at Penn State Berks that will house 394 students in 190 single-room suites and 102



Berks residence hall

This artist's rendering depicts a residence hall to be built at Penn State Berks. The residence hall is part of a new campus master plan at Berks, which won board approval.

double-room suites with rooms for resident assistants, lounges, study spaces and offices. Designed by Susan Maxman Architects of Philadelphia, it will be constructed with brick veneer and a steep-pitch roof. The wooded buffer between the academic core of campus and the residential area will be preserved. The 121,400-square-foot building will be built in stages, with phase 1 to house 267 students, beginning this May.

The campus, which has served the Reading community since 1958, has an enrollment of 1,817 students and is located on 241 acres in Wyomissing Borough and Spring Township, bounded by Park Road Corridor on the south and Tulpehocken Road on the north.

From the Trustees Docket



In the works

This artist's rendition shows plans for the new football building at University Park. The Louis E. Lasch Football Building will be built on the site of the old ice skating rink.

Plans progress for football, indoor multi-sport buildings

Penn State's new football and indoor multi-sports buildings at University Park moved closer to completion with action by the Board of Trustees on Jan. 16.

"As part of our improvements to the Intercollegiate Athletics programs, we have embarked on several projects," said Gary C. Schultz, senior vice president for finance and business/treasurer. He presented preliminary plans for the Louis E. Lasch Football Building and final plans for the multi-sport facility, both of which the board approved.

The Louis E. Lasch Football Building, designed by the joint venture firm of L.D. Astorino of Pittsburgh and HOK Sports of Kansas City, Mo., will be located between the Greenberg Indoor Sports Complex and Holuba Hall on the site of the former ice skating rink, which will be demolished.

The cylindrical-shaped part of the building facing Hastings Road will house an auditorium with a brick facade. The rest of the building will be finished in pre-cast concrete and glazed curtain wall construction and will have a two-story portion on the east side overlooking the practice fields. The buildings will house the training facilities for intercollegiate football, including team and squad meeting rooms, strength training, locker rooms, coaches offices and support spaces.

The board also approved final plans and authorized the awarding of contracts for the multi-sports facility, designed by the joint venture firm of Hoff-



Indoor exercise

This artist's rendition shows plans for the multi-sport building at University Park.

man-Popovich/NBBJ of Boalsburg and Columbus, Ohio. It will be built just south of The Bryce Jordan Center and west of the existing outdoor track. The main pedestrian walkway will be at the northeast corner extending along the service drive to the Jordan Center.

The \$14-million building will have brick veneer to match The Bryce Jordan Center, an arched roof and gable ends enclosed with glass. The lower level will have a pedestrian entrance, lobby, locker rooms, storage space and an oval track with center 200-meter sprint lanes and artificial turf, and exits to the outdoor track complex. The upper level will have the spectators entrance, lobby and concourse to 800 spectator seats — to which 400 temporary seats can be added for larger events. The event floor will be visible from the concourse. The plan includes a level area on the west side of the building for a future outdoor play field large enough to accommodate soccer.

Graduate enrollments expected to grow at campuses and off-site

By BARBARA HALE
Public Information

Current trends suggest that the greatest future growth in graduate enrollments at Penn State will occur at the Harrisburg and Great Valley campuses and through the new initiatives of the World Campus, Rodney A. Erickson, vice president for research and dean of the Graduate School, told the University's Board of Trustees Friday, Jan. 16.

Currently, University Park accounts for 63 percent of graduate enrollment and can be expected to remain the focus of doctoral education. Harrisburg and Great Valley enroll the largest share of the remaining graduate students in locations other than University Park and are the only two campuses that experienced any significant enrollment gains this past year, Erickson said. There are 9,994 graduate students enrolled system-wide, 1,450 at Harrisburg and 1,470 at Great Valley. Those campuses experienced increases of 7.5 percent and 6 percent respectively over the previous year.

The most substantial future enrollment increases can be expected at off-site locations, Erickson said. He said one of the principal impediments to distance delivery of graduate degree programs has been residency requirements. After extensive study, the Graduate Council approved the elimination of on-campus residency for professional master's degrees and established guidelines for off-campus programs.

"This change will make possible an exciting array of graduate programs through Penn State's World Campus, while ensuring that high quality graduate degrees are earned in off-campus sites," Erickson said.

All across the United States, residential graduate school enrollments have declined due to a smaller pool of prospective students and the lure of the robust job market. Nevertheless, Penn State continues to rank among the nation's leading producers of doctorates.

In 1996-97, Penn State awarded 2,509 graduate degrees, the largest number to date, including 543 master's degrees and 327 doctorates. In 1995-1996, the most recent year for which comparisons are available, Penn State ranked 12th nationally, tied with Harvard, in the number of doctorates awarded.

Erickson said the national debate on graduate education has produced positive effects at Penn State, where it has encouraged innovation. Several programs now include more active, problem-based and team-centered learning approaches. Some degree programs have streamlined their curricula to shorten time-to-degree. Others have added breadth to the doctoral degree by providing more opportunity for classes in other disciplines oriented more toward nonacademic careers.

Penn State also has responded well to the new interest students have in cross-disciplinary fields. Enrollment in the 15 Intercollege Graduate Degree Programs at Penn State grew from 806 in 1992 to 1,286 in 1997, an increase of nearly 60 percent.

"We know that graduate education will become an even more competitive enterprise in the future," Erickson said. "Retaining the best of the traditions that have made Penn State a leader in graduate education is essential to our foundation of quality. But like other top graduate institutions, we must be responsive to societal and market changes and innovate and adapt to a changing environment."

From the Trustees Docket

Colloquy series puts emphasis on teaching

By KAREN I. WAGNER
Public Information

Last week, a restless and inquiring group assembled to confront a rapidly changing world and its changed expectations. They were University faculty, students and administrators, but they're weren't talking about research and technology — they were talking about teaching.

The Board of Trustees got an update Jan. 16 on Learning Colloquy IV, a seminar designed to help faculty prepare students for an ever-changing world. This and previous sessions aim to develop effective teaching strategies and techniques that faculty can take back to the classroom.

On Friday, Jan. 9, more than 200 faculty, students and administrators assembled at the Penn State Conference Center Hotel at University Park to talk about these new ideas and strategies. Each

department was asked to send a team of three to four faculty members who would gather information they could then share with the department. Small group discussions on student involvement, motivation and the impact of early learning experiences were led by facilitators who helped maintain a balance between talking and listening.

"All who participated had something to share and something to gain," said John Brighton, executive vice president and provost. Brighton founded the Colloquy series four years ago.

Board members received a list of presentations, seminars and workshops scheduled for the Penn State Issues Forum and the Academic Leadership Forum this spring. Jesse Arnette, then-chair of the Board of Trustees, opened the spring series Wednesday, Jan. 14, with his appearance at the Penn State Issues Forum. The speakers series' are building on the momentum of the first Colloquy programs.

Colloquy I focused on the question, "What is good learning?" and led to The Schreyer Institute for Innovation in Learning. The institute has worked to enrich the first-year experiences of students through freshmen seminars, summer programs and grants that enable faculty to try new teaching techniques.

Colloquies II and III similarly encouraged faculty to change their teaching styles by actively involving students and shaping classrooms into learning communities.

"I gained a feeling of optimism," said Pat Terenzini, interim director of the Center for the Study of Higher Education and a faculty member in higher education. "Change is possible. The pendulum is swinging back from research."

Presentations, seminars and workshops scheduled this spring are listed in the Intercom Web site archives at <http://www.ur.psu.edu/INTERCOM/1998/jan15/news6.html#anchor04693>.

Former chairman offers insights into workings of the board

By LISA M. ROSELLINI
Public Information

Twenty-eight years ago when H. Jesse Arnette was elected to the Penn State Board of Trustees, he was a "young upstart" who wanted to change the culture of that governing body.

"While those of the old guard fought to keep the culture and tradition of the board and were not eager to change, we fought with equal passion for a board that would be open and participatory," Arnette told a large audience on Jan. 14 at the Penn State Forum, a monthly lecture series sponsored by the Penn State Bookstore and the Faculty/Staff Club.

Arnette, who was discussing "The Penn State Board: Culture, Tradition and Vision," helped open the dialogue and make the board more inclusive. Arnette's talk gave highlights of the board's responsibilities and a glimpse into how the board operates.

As a 1955 graduate of Penn State with a degree in political science, Arnette went on to earn his LL.B. from The Dickinson School of Law in 1962, and gained a seat on the board in 1969. Arnette, the first African American elected to the board, recently stepped down as chairman (see story on page 4) after serving two terms as its leader. During his decades of service, he has watched the turnover in membership as well as the evolution of the board's duties and commitment.

Arnette, who recently retired as a senior partner with the civil litigation and public finance law firm of Arnette, Hastie, McGee, Willis and Green of San Francisco, said increasing the number of times a year the board met from two to six and allowing members beyond the executive committee to have a voice in University affairs has greatly helped move the University forward and has enabled members to stay involved.



Issues Forum

Jesse Arnette, former chairman of the Board of Trustees, spoke on the culture, tradition and vision of the board at the Penn State Issues Forum.

Photo: Greg Grieco

"The board's guidelines have worn well over the years and are a model for higher education," Arnette said. "But the great strength of the board is its diversity — where you have attorneys, farmers, business people, judges, legislators and a host of others from all walks of life, with different interests and points of view. Penn State benefits from the variety of opinions that are brought to the table."

Arnette said as a corporate body with complete responsibility for the government and welfare of the University, the 32-member board allows the president to lead and its policies discourage "micro management." Of the 32 members, nine are elected by alumni, six are elected by organized agricultural societies within Pennsylvania, six are elected by organized industrial societies in the state, six are

appointed by the governor and five serve in an ex officio capacity, including the governor and president of the University.

As the entity responsible for naming a University president, the Board of Trustees looks for a true leader with vision. To the crowd, Arnette admitted that in presidential searches, the board is actually looking for "God on a very good day."

"The president makes the day-to-day decisions and we rely heavily on the judgment and decisions of the president and his management team," Arnette, who has been a part of numerous presidential selections, said. "We have a strong commitment to support the president. A large part of our responsibility is to work hard to ensure the success of the president, because the success of the president means the success of the University."

Keeping the "University's house in order," is a large part of the board's job. Responsible for determining the major goals of Penn State, the Board of Trustees has never strayed from the University's land-grant ideals and making decisions based on "what is in the best interest of Penn State," according to Arnette.

"The spirit of respect and collegiality and the board's collective commitment to the land-grant ideal has been the most satisfying aspect of my time on the board," Arnette said. "Community is our great strength and we need to pull together to foster, sustain and protect an environment where individuals can explore their God-given talents."

The next Penn State Forum will feature C. Peter McGrath, president, National Association of State Universities and Land-Grant Colleges, on Feb. 5. For more information, contact the Faculty Staff Club Office at (814) 865-7590.

Private Giving

\$180,000 grant to aid study of social and economic behavior

A three-year grant totaling \$180,000 from the Henry Luce Foundation will help researchers apply the central ideas of evolution, mutation and natural selection to new investigations of social and economic behavior.

Robert C. Marshall, professor and head of the Department of Economics in the College of the Liberal Arts, will serve as principal investigator for the project. He and various other researchers will study evolution in relation to such socioeconomic topics as the origins of altruism, cultural differences in savings rates and the use of "rules of thumb" rather than true cost/benefit calculations during decision making.

"The ideals of evolution have been the dominant themes in biology and anthropology for many years, but we are just beginning to think what they mean for economics," Marshall said. "On the other hand, in recent years economics has been at the forefront in the advancement of game theory, which is an important analytic tool for understanding evolutionary issues. This project will bring together ideas from various disciplines, including psychology and mathematics as well as anthropology, evolutionary biology, economics and game theory."

Other faculty involved in the project include Vijay Krishna and Kaylan Chatterjee in economics, Austin Hughes in biology, and Jeffrey Kurland and Henry Harpending in anthropology. Portions of the grant will support graduate students who have

an interest in the research. University funds totaling \$150,000 also will support the overall project.

An opening conference dedicated to the topic is planned for late summer 1998, to be followed by a three-year series of consecutive interdisciplinary graduate courses. Guest lecturers and seminar and workshop leaders from other institutions also will visit Penn State as part of the activities allowed by the grant. A concluding conference in 2001 is expected to result in a volume of related research papers or special issues of appropriate journals featuring the output of the completed project.

"We hope that the real legacy of the grant will be an ongoing cross-listed graduate course between the departments of economics, biology and anthropology," Marshall said. "To the best of my knowledge, there has never been a project set up primarily to establish a permanent link among these departments."

The Henry Luce Foundation was established in 1936 by the late Henry R. Luce, co-founder and editor-in-chief of *Time* magazine, as a tribute to his parents, the Rev. Dr. Henry Winters Luce and Elizabeth Root Luce. With headquarters in New York City, the foundation's interests fall into five categories: understanding between the peoples of Asia and the United States; higher education in America; the fine and decorative arts; theological education; and public affairs. Emphasis is placed on innovation and scholarship, and most programs actively involve academic institutions.

Postdoctoral fellowship to be created with gift of \$80,000

Louis W. Schatz, Penn State alumnus and benefactor, has committed \$80,000 to the College of Agricultural Sciences. The gift will create a new post-doctoral fellowship in the college's School of Forest Resources and will help launch new research into tree molecular genetics.

Through funding provided by the University's Life Sciences Consortium and the college, the school has hired John Carlson, a world-respected scientist currently at the University of British Columbia, to head its new program in the molecular genetics of trees. The Schatz Fellow, who will work in Carlson's laboratory, will focus on the possibilities for inserting desirable genes in trees. This technology, which is becoming more prevalent in annual plant crops such as tomatoes and soybeans, is just beginning to be used in forestry.

Schatz is the retired president and owner of General Plastics Manufacturing Co. of Tacoma, Wash., which he founded in 1941. The company has been cited for its contributions to the NASA space shuttle and Navy Polaris, Poseidon and Trident submarine programs.

Schatz earned his bachelor's degree in forestry in 1934. He also holds a master's degree from the University of California at Berkeley and completed course work in a doctoral program at the University of Michigan. He was awarded an honorary doctorate in science from Humboldt State University.

The Penn State Alumni Association named him an Alumni Fellow in 1985, one of the highest honors the University bestows. He also received an achievement award from the School of Forest Resources in 1982.

In addition to his recent gift, Schatz established two endowments in the School of Forest Resources during the 1980s which support student and faculty travel to professional meetings, conferences and seminars.

Alumni give \$50,000 for scholarship

Penn State alumni Barbara Nardi Kucharski and David Kucharski of Davidson, N.C., have made a gift of \$50,000 to the University. The couple's gift will establish a new academic excellence scholarship in the College of Education.

When activated, the Barbara and David Kucharski Academic Excellence Scholarship in Education will annually recognize a financially needy undergraduate student who has the potential to be an outstanding education. Priority will be given to students whose academic records are impressive, but who are not necessarily ranked at the top of their class.

Barbara Kucharski is a 1970 graduate in secondary education, and formerly worked as a guid-

ance counselor with the DuBois School District. David Kucharski is a 1970 graduate in engineering, and vice president of the Specialty Graphite Business Unit for the SGL Carbon Corp. in Charlotte, N.C., which also is helping fund the scholarship through its gift-matching program.

"Like most people, we have both been influenced by good teachers and understand the important role an effective educator can play in children's lives," Barbara Kucharski said. "In my case, a rewarding career in education has given me a view from both sides."

The couple has two daughters, one of whom, Andrea, is a senior in the College of Education at Penn State.

Obituaries

Paul F. Anderson, professor of marketing, The Smear College of Business Administration, from July 1, 1987, until his death Dec. 23, 1997. He was 51.

Polly Jo Muthersbaugh Baer, 40, a staff assistant in the College of Education, died Tuesday, Dec. 30, 1997, at Johns Hopkins Hospital in Baltimore, due to recent complications from her organ transplant surgery 16 months

ago. Baer joined the College of Education staff in 1975 as a staff assistant in the Department of Curriculum and Instruction. In 1980, she was named a staff assistant in the Office of Certification and Education Services, where she worked with the certification process for public school teachers, counselors and administrators.

Beulah B. Behrer, residence hall worker, Housing and Food Services,

from Jan. 23, 1969, until her retirement May 1, 1981; died Jan. 4 at the age of 81.

Glenn E. Boone, refrigeration technician, Office of Physical Plant, from Aug. 3, 1970, until his retirement Feb. 1, 1990; died Dec. 25, 1997. He was 71.

Steven J. Massar, patrol officer, The Hershey Medical Center, from Nov. 11, 1968, until his retirement May

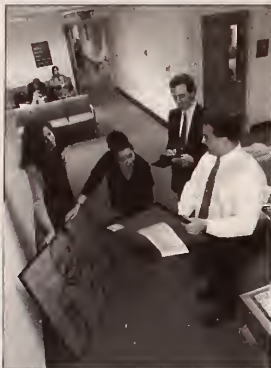
26, 1984; died Dec. 8, 1997, at the age of 74.

Shirley R. Wanner, staff assistant III, Penn State Berks, from Sept. 12, 1988, until her death Dec. 25, 1997. She was 58.

Ann Winck, room scheduler, The Nittany Lion Inn, from March 18, 1968, until her retirement Jan. 1, 1979; died Nov. 27, 1997, at the age of 83.

ARTS & ENTERTAINMENT

AT PENN STATE



Art on the Move

Peg Spear, director of University Health Services, left, examines artwork for Art on the Move at Ritenour Health Center along with Ann Shielos, coordinator for Art on the Move, Dave Manios, manager of housing services for Pollock Halls, and Joe Puzycy, director of judicial affairs.

Photo: Greg Grieco

Free concert at Abington

The Independence Sinfonia, volunteer musicians from the greater Philadelphia area, will perform at Penn State Abington at 2 p.m. Sunday, Jan. 25, in the Sutherland Auditorium. The concert and a reception are free. The orchestra is dedicated to performing the chamber music repertoire.

Faculty recital

Timothy Deighton, assistant professor of music, and Ann Deighton, instructor of music, will present a recital at 8 p.m. Monday, Jan. 26, in the School of Music Recital Hall on the University Park campus.

The program will feature Timothy Deighton on viola and Ann Deighton on piano. The concert is free to the public.

Opera Gala

The Penn State Opera Theatre will present its Fifth Annual Opera Gala at 8 p.m. Wednesday, Jan. 28, in the School of Music Recital Hall on the University Park campus.

Produced by opera director Susan Boardman, associate professor of music, the concert will feature School of Music voice faculty members,

alumni and students performing arias, ensembles and choruses from the world's most beloved operas.

The featured choral ensemble is Essence of Joy, directed by Anthony Leach, assistant professor of music. Faculty soloists — tenor Richard Kennedy, associate professor of music; baritone Marshall Urban, instructor of music; baritone Norman Spivey, assistant professor of music; and sopranos Sara Hopkins, Suzanne Roy, associate professor of music, and Boardman — are joined by baritone Walter Wells, alumnus of the School of Music. John Ulrich and Steven Grazzini will accompany the concert at the piano.

General admission tickets for the Opera Gala are \$4 and may be purchased at the School of Music Office or at the door.

Bach's Lunch

The Penn State Double Reed Ensemble will present a concert of dance music for double reeds at the Bach's Lunch concert at 12:10 p.m. Thursday, Jan. 29, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Double Reed Ensemble consists of nine students who play oboe, English horn or bassoon. They study with the directors of the ensemble, Tim Hertz and Daryl Durran, associate professors in the School of Music.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Photographs at Kern

The Kern Exhibition Area on the University Park campus features photographs by Henry Lee through Feb. 15.

Lee's photographs focus on the theme of subways. New York City and Tokyo are the major locations the exhibition highlights.

Lee is an international student from Hong Kong, working toward his degree in photography.

"Inside Out" photos

Debra Dilworth of Lancaster, Pa., is showing her photographs in her exhibit "Inside Out," in the Formal Gallery on the University Park campus through Feb. 22.

"Inside Out" consists of three parts: "Short Stories," environmental interiors from parts of Virginia, Rhode Island and Illinois; "On The Surface," portraits of her three children and environmental scenes of life in Lancaster; and "Secrets and Other Stuff," a collection of portraits. The common element in all three bodies is Dilworth's nomadic lifestyle and the people and environments she has encountered along the way.

Pen, ink and collage

A retrospective exhibit of works by Anu Chowla in the Browning Gallery on the University Park campus is on display through Feb. 22.

Chowla resided in State College with her family from 1963-1991. Her work reflects her appreciation for Russian icons, Art Nouveau painter and contemporary art, including the work of Jean Dubuffet, Rothko and Rauschenberg. Her works include pen and ink, color and metallic inks, woodcut, mixed media and collage.

Art on the Move

Art on the Move, a traveling art exhibition program, is featured at several locations across the University Park campus throughout February and March.

■ "From the Past to the Present: The 3-1s of Life," collage pieces by Crystal Brown, are on exhibit in the North Halls exhibit area through Feb. 26;

■ A special exhibit of photographs by Lisa Graves, an undergraduate working toward her bachelor of fine arts degree, is on display in the West Halls exhibit area through Feb. 26;

■ Kathleen Donovan, a freshman at the Rhode Island School of Design in Providence, is exhibiting masks she created in the Ritenour Lobby exhibition area through March 5; and

■ "Faces of Americas," a photo collection that includes portraits and scenes from Costa Rica, Ecuador, Guatemala, Honduras, Mexico, Nicaragua, Panama and Peru by Javier Escudero, assistant professor of Spanish at Penn State, is on exhibit through March 5 at the Computer Building.

Paintings at Mont Alto

Wendy Allen will exhibit "An Increased Devotion: Portraits of Lincoln" through Feb. 27, at the Penn State Mont Alto Library. She describes her painting technique as "sculpting" because she molds the paint almost exclusively with her hands. Each portrait in her exhibit explores a different facet of Lincoln the man, the person, the president and the American.

For more information, please contact the library at (717) 749-6040.



BRYCE JORDAN CENTER

Encore performance

The Lord of the Dance returns from its sold-out engagement at The Bryce Jordan Center at 8 p.m. Wednesday, March 25. Tickets are \$39.50 and \$28.50 for reserved seating.

The Lord of the Dance has brought the popularity of Celtic dance to unprecedented heights in the past several years. The current Lord of the Dance tour has become one of the hottest-selling tickets in arenas across the country and around the world, having already smashed box office records in the United States, United Kingdom and Australia. The tour sold out The Bryce Jordan Center in December.

The Lord of the Dance, supporting a cast of more than 40 dancers, features lead dancer John Carey. Carey joined Lord of the Dance as Michael Flatley's understudy in 1995.

Country music

Billboard Artist of the Year LeAnne Rimes and Bryan White, the Country Music Association's choice as top new male vocalist in 1996, will be at The Bryce Jordan Center at 7:30 p.m. Thursday, March 5. Tickets go on sale at 8 a.m. Saturday, Jan. 24, and are \$26 for reserved seating.

Wristbands will be available at 8 a.m. Friday, Jan. 23, for ticket buyers wishing to purchase tickets at The Bryce Jordan Ticket Center only.

Already a country superstar at the age of 15, Rimes immediately shot to the top of charts with the debut of her 1996 album "Blue." With the release of three albums in 1997, Rimes has topped the country charts as well as the pop and Christian charts. She has won numerous awards.

White's debut album, "Bryan White," and second album, "Between Now and Forever," have both gone platinum. His latest release is "The Right Place."

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Int-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

"Peace Talks" sculptures

"Peace Talks" will be shown in the HUB Sculpture Corner on the University Park campus through May 21.

"Peace Talks" is constructed of wood and brass and represents "... that middling ground — neither peace, nor war, but on the verge of either" said creator William Engle.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, January 23

■ Jennifer Pawloski, gallery talk, on "Religious Traditions in Non-Western Art," 2 p.m., Christoffers Lobby, Palmer Museum.

Saturday, January 24

MelaStages Theatre Centre, through April. To register, call (814) 867-8390.

Harolyn Blackwell, soprano, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Seong-Ae Lim, piano, graduate recital, 8 p.m., Recital Hall.

Monday, January 26

Tim Deighton, viola, faculty recital, 8 p.m., Recital Hall.

Tuesday, January 27

"Fantastic Visions," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Wednesday, January 28

■ Opera Gala, 8 p.m., Recital Hall. For tickets, call (814) 865-0431.

Thursday, January 29

Penn State Double Reed Ensemble, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Department of Architecture's Thursday Night Madness Series, 7:30 p.m., Architecture Gallery, second floor, Engineering Unit C. "Footprints, Music of Wayne Shorter," Jim Glaser, saxophone, student recital, 8 p.m., Recital Hall.

Friday, January 30

David Glem, gallery talk on "American Prints between the Wars," 2 p.m., Christoffers Lobby, Palmer Museum.

Saturday, January 31

Albert Frantz, piano, student recital, 8 p.m., Recital Hall.

"Story Time" by Jan Kinney, 11 a.m., Special Exhibition Gallery II, Palmer Museum.

Sunday, February 1

"Sleeping Beauty on Ice," 1 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Jason Plosch, trumpet, graduate recital, 2 p.m., Recital Hall.

Darryl Durran, bassoon, faculty recital, 4 p.m., Recital Hall.



At the Palmer

"Storm in the Adirondacks," an oil on canvas work by Charles H. Chapin, is on display at the Palmer Museum of Art on the University Park campus as part of the exhibit "All That Is Glorious Around Us: Paintings From the Hudson River School." The exhibit, part of the museum's 25th anniversary celebration, continues through May 17.

SEMINARS

Friday, January 23

■ James Stewart on "South Africa — 1997 versus 1987: A Personal Perspective," 10 a.m. to noon, 222 Boucke.

Clyde Woods on "The Reproduction of Regional Identity: Examples from Los Angeles and Mississippi," 4 p.m., 206 Walker. Kenneth Silverman on "Houdini," 7:30 p.m., Palmer Lippert Auditorium.

Saturday, January 24

K. Warner Schele on "Intellectual Development Throughout the Adult Life Span," 11 a.m. to 12:30 p.m., Kern auditorium.

Monday, January 26

Theodore Alter, Jeffrey Bridger, Elisea Gurevich and Rex Warland on "Kellogg Keystone 21 Project," 12:20 p.m., 239 Agricultural Engineering Building.

Tuesday, January 27

Domingo Pinero on "Iron Distribution in the Brain," 4 p.m., S-209 Henderson.

Tia-Lynn Ashmann on "Pollinator Selectivity in a Sexually Dimorphic Wild Strawberry: Causes and Consequences," 4 p.m., 8 Mueller Laboratory.

Wednesday, January 28

Tanya Bibikova on "Regulation of Root Hair Development," 12:20 to 1:10 p.m., 106 Wartik Laboratory.

Thursday, January 29

Marc Kamionkowski on "What We May Learn from the Cosmic Microwave Background," 3:30 p.m., 101 Osmond Laboratory.

■ Harrison Eiteljorg on "The Archaic Entrance to the Acropolis in Athens: New Evidence, New Dates and New Reconstructions," 8 p.m., 101 Kern.

Friday, January 30

■ Anthony Williams on "Amsterdam: Will it go to Pot? Continuity and Change in a Second-Tier City," 4 p.m., 206 Walker.

Saturday, January 31

Gerald E. McClean on "Genetics of Human Behavior," 11 a.m. to 12:30 p.m., Kern auditorium.

CONFERENCES

Saturday, January 24

Market Pro Computer Show, The Penn State.

ARIS Corp. of America, The Nittany Lion Inn. APOC-PACM, The Nittany Lion Inn, through Jan. 29.

Thursday, January 29
NAMC Leadership Forum, The Penn State, through Feb. 1.

Friday, January 30

Phi Mu Alpha Sinfonia, The Penn State.

EXHIBITS

Computer Building

■ "Faces of America" by Javier Escudero, through March 5.

HUB Browaling Gallery

Pen and ink, color and metallic inks, woodcut, mixed media and collage works by Anu Chowia, through Feb. 22.

HUB Formal Gallery

"Inside Out" photographs by Debra Dlworth, through Feb. 22.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

Kern Exhibition Area

■ Photographs by Henry Lee, through Feb. 15.

North Halls

"From the Past to the Present: The 3-Ls of Life" by Crystal Brown, through Feb. 26.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That Is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Rittenour Lobby

Masks by Kathleen Donovan, through March 5.

West Halls

Photographs by Lisa Graves, through Feb. 26.

Zoiler Gallery

Metal Exhibition, through Feb. 4.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

JANUARY 23 - FEBRUARY 1

Book Shelf

G. Jogesh Babu, professor of statistics, and Eric D. Feigelson, professor of astronomy and astrophysics, are coauthors of a new book titled *Statistical Challenges in Modern Astronomy II*, published by Springer-Verlag. It is the second book in a series by the two authors, who have a long-standing cross-disciplinary collaboration and jointly authored an earlier introductory book, *Astrostatistics*, published by Chapman and Hall.

Statistical Challenges in Modern Astronomy II is a compilation of review talks presented at the Penn State conference of the same title. It includes chapters on general methods in astronomy projects, time-series analysis and the papers contributed to the conference. Each section opens with a short summary and ends with an extensive bibliography. This new volume will be of interest to researchers and advanced

students in both fields — astronomers who seek exposure to recent developments in statistics and statisticians interested in confronting new problems.

Two years ago, Penn State Altoona English professor Dinty W. Moore began a search for American Buddhism that took him to Jersey City, N.J., eastern New York state, High View, W. Va., Floyd's Knob, Ind., and a host of other spots across the country. In the beginning, Moore saw his search as simply a fun, hands-on project — he'd see American Buddhism in action and write a book about it — but as time went on the project turned into a spiritual quest that ended up with Moore himself becoming a Buddhist.

Moore started his project in 1995. Through his project, Moore discovered that Buddhism in America is really nothing new. But the recent growth

of Buddhist meditation groups and Zen retreat centers — and the movement of Buddhism into suburban and rural areas — is something new and substantial, Moore found.

Moore has reported his findings about American Buddhism and chronicled his own conversion to Buddhism in *The Accidental Buddhist: Mindfulness, Enlightenment, and Sitting Still*, published by Algonquin Books in Chapel Hill, N.C.

John W. Dawson Jr., professor of mathematics at Penn State York, has written the first full-length biography of Kurt Gödel, a renowned mathematical logician of the 20th century. The book, *Logical Dilemmas: The Life and Work of Kurt Gödel*, is an outgrowth of Dawson's work during the past 15 years in cataloging Gödel's scientific papers and in serving as co-editor of *Gödel's Collected Works* (Oxford Uni-

versity Press). The book was published by A K Peters, Ltd., Wellesley, Mass.

Joseph L. Schafer, assistant professor of statistics, has authored a book titled *Analysis of Incomplete Multivariate Data*. The book, published by Chapman and Hall, is written for applied statisticians, biostatisticians, practitioners of sample surveys, graduate students and other methodologically oriented researchers in search of practical tools to handle missing data.

The book presents a unified approach to the analysis of incomplete multivariate data, covering data sets in which the variables are continuous, categorical or both, in order to help bridge the gap between theory and practice. The book has been described as a complete, clearly written and useful text on missing data and multiple imputation.

LECTURES

Explore the intellectual development of adults

K. Warner Schaie, Evan Pugh professor of health and human development and director of the Penn State Gerontology Center, will speak on "Intellectual Development Throughout the Adult Life Span" at 11 a.m. Saturday, Jan. 24, in the Kern Graduate Center auditorium on the University Park campus. The lecture is the third in the 1998 Penn State Lectures on the Frontiers of Science series, which this spring deal with the topic "The Human Brain and the Human Mind."

Schaie is well known for his longitudinal studies of intellectual abilities from young adulthood to old age and for advances in research designs for studying human development. He will discuss changes in cognitive function throughout the life span, including the role of intelligence in higher cognitive processes, the methods scientists use to measure changes in intellectual abilities, age-related differences in intellectual performance and whether the process of intellectual aging can be slowed. Schaie also will discuss some public-policy consequences of his research findings.

Designed for the enjoyment and education of central Pennsylvania residents, the free lectures take place on



K. WARNER SCHAE



eight consecutive Saturday mornings from 11 a.m. to about 12:30 p.m. in Kern.

Remaining events in the series include:

■ Jan. 31: "Genetics of Human Behavior," by Gerald E. McClearn, Evan Pugh professor of health and human development and director of the Penn State Center for Developmental and Health Genetics;

■ Feb. 7: "Genetics of Human Diseases," by Ellen Hess, assistant professor of neuroscience and anatomy;

■ Feb. 14: "Attention Deficit Disorders," by Robert E. Kennedy, clinical psychologist and neuropsychological consultant at Centre Community Hospital;

■ Feb. 21: "Schizophrenia," by Anthony A. Grace, professor of neuroscience and psychiatry at the University of Pittsburgh; and

■ Feb. 28: "Medicines for the Mind," by Joan M. Lakoski, associate professor of pharmacology and anesthesia.

The Penn State Lectures on the Frontiers of Science are sponsored by the Eberly College of Science. For more information, call (814) 863-8453 or (814) 863-4682, e-mail science@psu.edu or follow the links at <http://www.science.psu.edu/> on the Web.

Catholic fellowship plans noon talks

The Cardinal Bernardin Catholic Faculty and Staff Fellowship continues this semester with several nighttime talks by noted scholars. Held in 212 Eisenhower Chapel on the University Park campus, the talks focus on topics ranging from physician aid in dying to being Jewish. The schedule for the lectures, which begin at noon follows:

■ Tuesday, Feb. 3: "From the Vatican to the Monastery: Adventures of an Art Historian," by Jeanne Porter, associate professor of art history at Penn State;

■ Monday, Feb. 16: "Physician Aid in Dying: A Faith Perspective," given by Rev. Phil Bender, pastor of Good Shepherd Catholic Church in State College;

■ Tuesday, March 3: "Being a Jewish Minority on Campus," presented by Tuvia Abramson, executive director of Hillel: The Foundation for Jewish Campus Life;

■ Monday, March 16: The Rev. James F. Podlesny, associate professor of moral theology at St. Vincent Seminary, School of Theology, will give a talk on a subject yet to be announced;

■ Tuesday, March 31: "Conversion and Reconciliation," presented by the Rev. Tom Carapella, associate campus minister at St. Francis College, Loretto, Pa.

■ Monday, April 13: A tentatively scheduled talk by Sister Terese from Bethany Retreat House in Frenchville, Pa.

New series looks at lives of a variety of intriguing people

A new lecture series exploring the lives of astronomers, musicians, justices, kings and other intriguing people continues Jan. 23 with a discussion by Kenneth Silverman on the life of Harry Houdini at 8 p.m. in the Palmer Museum of Art on the University Park campus.

"LIVES" — the name of the biography lecture series sponsored by the Institute for the Arts and Humanistic Studies — begins the spring semester with "Unmasking Houdini." Other talks scheduled for this semester follow:

■ Feb. 14-15: "Beethoven's Lives: Interlocking Perspectives," a colloquium and recital presented by Scott Burnham of Princeton University and William Kinderman from Victoria University in Canada. A piano recital on Saturday, Feb. 14, by Kinderman in the Recital Hall of the Music Building is planned, as well as an 8 p.m. talk on "The Four Views of Beethoven: Perspectives from the Memorial Years 1827, 1870, 1927, 1970," by Burnham; and Kinderman's discussion on "Beethoven's Creative Process: The Relationship of Life and Art."

On Sunday, Feb. 15, a panel discussion on "The Life in Music: Perspectives on Beethoven's Piano Sonata in E Major, Op. 109" will be held at 1 p.m. in the Alumni Lounge of The Nittany Lion Inn.

■ Monday, Feb. 23: "Manet's 'Son,'" given by George Mauner, an emeritus Fellow of the Institute.

■ Monday, March 23: James L. West III, distinguished professor of English at Penn State, Nancy Tischler, professor emerita of English, and Rhoda Sirlin will discuss "Being Boswell: Writing the Life of William Styron," at 8 p.m. in the Palmer Museum of Art.

■ Thursday, April 2: At 12:15 p.m. in 102 Weaver building, Laura Knopps, associate professor of English, will talk about "Like a King: The Death and Burial of Oliver Cromwell."

■ Thursday, April 30: "Heisenberg: Deception, Self-Deception and Nazi Atomic Bomb," from Paul Lawrence Rose, who holds the Mitrani Professorship in Jewish life and literature in the College of the Liberal Arts.

Talk gives perspective on South Africa in past decade

James Stewart, vice provost for educational equity, professor of labor and industrial relations, and professor of African and African American studies, will speak on "South Africa — 1997 versus 1987: A Personal Perspective" from 10 a.m. to noon Friday, Jan. 23, in 222 Bouck Building on the University Park campus.

The lecture is part of the University Office of International Programs Distinguished International Speakers Colloquium.

Interactive panel discussion planned at Mont Alto

On Jan. 27 at Penn State Mont Alto, an interactive panel discussion, titled "Aging in a Technological, Diverse World," will be held at 7 p.m. in the Multipurpose Room, Multipurpose Activities Center. Panelists include: Doug McCullough, assistant professor of exercise and sports science and recreation, Penn State Mont Alto; Linda Monn, adult student and staff assistant, Penn State Mont Alto; Forrest Myers, attorney, Shippensburg; and Jo Seales, professor emeritus, Penn State Altoona. The event is open to the community. Contact Laura Davis at (717) 749-6112 for more information.

National Leadership Forum to be held at Penn State

For the second consecutive year, the National Association of Minorities in Communications (NAMIC) has chosen to hold its national Leadership Forum at the Penn State Conference Center Hotel on the University Park campus. The forum will run from Thursday, Jan. 29, through Sunday, Feb. 1.

Developed for presidents and vice presidents of NAMIC chapters throughout the country, the conference will bring together more than 40 leadership specialists, corporate executives, instructional designers and educational experts in the field of telecommunications. Topics will include planning and development, individual and group motivation, finance and budgets, marketing techniques, and chapter management issues. Featured speakers will include: Clayton Banks, NAMIC president and vice president of Sega Channel's eastern region; Linda Williams, human resources development manager for Time Warner Cable's National Division; and Djuna Barnes, marketing manager for BET Pay Per View's Northeast Region.

NAMIC, formed in 1980 to raise awareness, expand opportunities and shape the future for minorities in communications, seeks to educate the industry on marketing approaches, programming interest and operations strategies.

For more information about the forum, contact Joseph Selden, director of Multicultural Affairs for the College of Communications, at (814) 863-6081, or visit the college's Web site at <http://www.psu.edu/dept/comm/news>.

More Lectures

Anthropologist to discuss "Blacks in Science" at Erie

Renowned anthropologist, literary critic and linguist Ivan Van Sertima will speak at Penn State Erie, Behrend College, on Tuesday, Feb. 10, at 7:30 p.m. in the Reed Union Building Commons. Van Sertima's presentation, "Blacks in Science: Ancient and Modern," will explore the expanding awareness of African science before the discovery of the Americas.

Van Sertima is the author of *They Came Before Columbus: The African Presence in Ancient America*, which was published in 1977 and is now in its 16th printing. In his award-winning work, Van Sertima notes evidence for an African astronomical observatory in existence in 300 B.C. and for African steel production in the fifth century. He cites linguistic and botanical evidence of African journeys to the Americas between 1312 and 1492, and even notes that Columbus himself reported seeing black people among the Native Americans.

As a literary critic, Van Sertima is the author of *Caribbean Writers*, a collection of critical essays on the Caribbean novel. He

was honored for his work in the literary field by the Nobel Committee of the Swedish Academy, which invited him to nominate candidates for the Nobel Prize in Literature from 1976-1980. He was also invited to join UNESCO's International Commission for Rewriting the Scientific and Cultural History of Mankind.

Van Sertima is a professor of African studies at Rutgers University and is also a visiting professor at Princeton University. He is the editor of the *Journal of African Civilizations*. He holds degrees from the School of Oriental and African Studies, London University and the Rutgers Graduate School.

Van Sertima's lecture continues the 1997-98 Penn State-Behrend Speaker Series, which is sponsored by the Penn State-Behrend Office of Student Affairs. His presentation will be broadcast live on the college's radio station, AM 1450/WPSE. For more information, please contact the Penn State-Behrend Office of Student Activities at (814) 898-6171.

Schreyer lecture series on learning continues Feb. 5

"Active Learning Environments," the theme of the spring semester lecture series offered by the Schreyer Institute for Innovation in Learning, the Leonard Center and ECSEL, continues Thursday, Feb. 5, with a talk on interdisciplinary projects by Spiro Stefanou, professor of agricultural economics, and Swami Anantheshwaran, associate professor of food science.

The lunchtime talks, known as the VOICE Box series, are held twice a month and allow practitioners to discuss their experience with service learning, project-based learning, problem-based learning, interdisciplinary projects, integrated courses and authentic assessment. The discussions are held in 304 Rider Building II. Participants may bring their lunch and soft drinks are provided. The schedule for this spring follows:

- Feb 5: Spiro Stefanou and Swami Anantheshwaran on interdisciplinary projects;
- Feb 19: John Lamancusa, associate professor of mechanical engineering, and a panel will discuss project-based learning;
- March 5: Chris Uhl, professor of biology, on service learning;
- March 20: Ann Hoag in the College of Communications will discuss problem-based learning;
- March 31: James Eisenstein, professor of political science, and Nabil Kallas, assistant professor of engineering, will talk about integrated courses; and
- April 15: Costas Moranas and Larry Duda, professor and department head, chemical engineering, on authentic assessment.

For more information or to have your name added to the e-mail notification list, contact the Schreyer Institute at (814) 865-8681 or inov8@psu.edu.

Thursday Night Madness to showcase competition entries

The Department of Architecture's Thursday Night Madness Series will focus on Penn State entries to the Stewardship Competition at 7:30 p.m. Thursday, Jan. 29, in the Architecture Gallery on the second floor of Engineering Unit C on the University Park campus.

The Stewardship Competition is an annual statewide competition that began in 1998. A prize in excess of \$6,500 is awarded as a traveling scholarship to the architecture student whose entry is selected by an independent jury. Penn State students have won top honors four out of the last five years, and the only other student to win received a four-year degree from Penn State before doing graduate work at another school.

The presentation will feature entries from fourth-year, fifth-year and graduate students from Penn State. Only a few of those presented will be forwarded to the jury for the final competition in March, but all submissions will be shown and discussed at the meeting.

Sponsored by Penn State's Department of Architecture, the Thursday Night Madness series is a free, weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews to students, faculty, staff and interested lay people.

Promotions

Staff

Raquel M. Arredondo, counselor at Penn State Delaware County.
Yakov Bernstein, senior applications programmer/analyst in Office of Budget and Resource Analysis.

Carolyn S. Boswell, director, community recruitment center in Office of the Vice Provost and Dean for Enrollment Management and Administration.

Lori-Lynn Bower, staff assistant in V in Eberly College of Science.

Lula L. Brydon, staff assistant VII at Penn State Shenango.

Mark B. Crowley, supervisor, stores support in Office of Physical Plant.

Roxanne Daykon, staff assistant VII in Office of the Vice Provost and Dean for Undergraduate Education.

Edward C. Dumond, computer support specialist in College of Education.

Eldonna C. Eicher, manager, human resources at The Nittany Lion Inn.

Lisa D. Faust, assistant business manager in College of Arts and Architecture.

Amy L. Hensal, development assistant in Division of Development and Alumni Relations.

Ann M. Horvath, lead applications programmer/analyst in Office of the Vice Provost and Dean for Enrollment Management and Administration.

Marcella L. Immel, lead applications programmer/analyst in Office of the Vice Provost and Dean for Enrollment Management and Administration.

Edwin L. Johnston, business manager in Housing and Food Services.

Beth A. Kennedy, staff assistant V in Eberly College of Science.

Margaret N. Kimple, manager, ad hoc reporting in Office of Budget and Resource Analysis.

Rita M. Kline, administrative assistant III in College of Engineering.

Katherine L. Krinks, manager, assignment office in Housing and Food Services.

Katherine L. Lumley-Sapanski, supervisor, laboratory safety and environmental protection in University Safety.

Jean H. Lundy, research support assistant in College of the Liberal Arts.

Jodi L. Marshall, assistant extension agent in College of Agricultural Sciences.

Donna M. McGahan, training and support specialist in Continuing and Distance Education.

Naomi C. McNulty, administrative assistant I in College of the Liberal Arts.

Mary Alice Miller, manager, systems planning and design in Office of Budget and Resource Analysis.

Rebecca F. Miller, staff assistant VI in Student Affairs.

Brenda J. Wagner, administrative assistant IV in College of Engineering.

Linda J. Wheeland, staff assistant VII in College of Arts and Architecture.

Mark Wherley, instructional designer in College of Earth and Mineral Sciences.

Charles L. Yanoff, advanced engineering aide at Penn State New Kensington.

Glenna R. Young, administrative assistant IV in College of Engineering.

Technical Service

Michael E. Boonie, lead technician-environmental systems in Office of Physical Plant.

Ronald K. Burfield, maintenance worker-utility at Penn State Erie, Behrend College.

Brian E. Butler, residence hall-utility worker in Housing and Food Services.

Todd E. Dobson, dining hall worker A in Housing and Food Services.

Michael C. Edmondson, food preparer A in Housing and Food Services.

Suzanne R. Feltz, dining hall worker A in Housing and Food Services.

Penny L. Grove, janitorial worker in Office of Physical Plant.

Vicki A. Hardy, janitorial worker in Office of Physical Plant.

James E. Harper, farm machinery operator C in College of Agricultural Sciences.

Devereux Hunter, dining hall worker A in Housing and Food Services.

Catherine A. Jury, food preparer B in Housing and Food Services.

Robert E. Lewis, maintenance worker-general B at Penn State Altoona.

Harry R. Loose, area facilities maintenance worker in Housing and Food Services.

Tammy S. Mertiff, residence hall-utility worker in Housing and Food Services.

Kenneth E. Mickley, orchard worker and machine operator A in College of Agricultural Sciences.

Richard E. Shawley, maintenance worker-plumbing and piping in Office of Physical Plant.

John J. Sprankle, dining hall worker A in Housing and Food Services.

Roger A. Walk, maintenance worker-utility in Office of Physical Plant.

Appointments

College of Agricultural Sciences adds department heads, directors

Two new department heads and several regional directors for Cooperative Extension have been appointed in the College of Agricultural Sciences.

■ Shirley Bixby, interim regional director for the Northeast Region Cooperative Extension, has been appointed director of Penn State Cooperative Extension and Outreach for the Susquehanna Region. She will provide leadership for cooperative extension and coordination for University outreach programs in Bradford, Columbia, Lycoming, Montour, Northumberland, Snyder, Sullivan, Tioga and Union counties. She is based at the Susquehanna Region cooperative extension office at Penn State Wilkes-Barre.

After earning her bachelor's degree in home economics education from Penn State in 1967, Bixby served as a caseworker for Bradford County Children and Youth Services in Towanda until 1983, when she joined Cornell Cooperative Extension as a home economics agent in Steuben County, N.Y. She worked in New York's Chenango County from 1986 to 1990, serving as the home economics program leader and family living agent. Bixby joined Penn State Cooperative Extension in 1990 as Columbia County extension director and family living agent. She served as acting assistant to the regional director for the Northeast Region in 1995 and was appointed interim director in 1996. Bixby received a master's degree in adult education and management from the State University of New York at Binghamton in 1992.

■ Dennis Decoteau, chair of the horticulture department at Clemson University, was named head of the Department of Horticulture.

Decoteau received his bachelor's degree in environmental studies from the University of Maine at Fort Kent, and his master's degree and Ph.D. in plant science/physiology from the University of Massachusetts. After a postdoctoral research position at Purdue University, he moved through the ranks to full professor and department chair at Clemson.

Decoteau has received significant awards for both research and teaching including the L.M. Ware Distinguished Research Award from the American Society for Horticultural Sciences (Southeast Region) and an Outstanding Teacher Award from Clemson.

■ Michael McDavid, continuing and distance education area representative at Penn State Erie, Behrend College, has been appointed director of Penn State Cooperative Extension and Outreach for the Northeast Region. He will provide leadership for cooperative extension and coordination for University outreach programs in Carbon, Lackawanna, Luzerne, Monroe, Pike, Susquehanna, Wayne and Wyoming counties.

After graduating from Eastern Kentucky University with a bachelor's degree in physical education in 1972, McDavid started a 20-year career in the U.S. Army. He retired as a lieutenant colonel. McDavid joined continuing and distance education in 1992 as an area representative at Penn State Erie, where he plans and develops programming for business and industry, special events and conferences.

McDavid earned a master's degree in management from Webster University in St. Louis, Mo., and is currently working on a D.Ed. in administration and leadership studies at Indiana University of Pennsylvania.

■ Michelle Rodgers has been appointed director of Penn State Cooperative Extension and Outreach for the Capital Region. She will provide leadership for cooperative extension and coordination for University outreach programs in Adams, Cumberland,

Dauphin, Franklin, Lancaster, Lebanon and York counties.

After receiving her bachelor's degree in home economics education from Indiana University of Pennsylvania in 1980, Rodgers spent nine years as a Penn State Cooperative Extension home economics agent in Lancaster and Berks counties. From 1989 until her appointment as regional director, she served a combined eight years as assistant to the regional directors of the Capital and Southeast regions. From July 1994 to April 1995, she was interim regional director for the Capital Region.

Rodgers received her master's degree in rural sociology in 1988 and her Ph.D. in agricultural education with a minor in public administration in 1997, both from Penn State.

■ A. Catharine Ross, professor of nutrition and Dorothy Foehr Huck chair in the Department of Nutrition, has been named head of the Department of Veterinary Science. Ross previously held appointments as professor of biochemistry and professor of nutrition at the Medical College of Pennsylvania. She is a member of the steering committee for the Life Sciences Consortium and co-director of the consortium's graduate option in nutrition.

Ross received her bachelor's degree in zoology from the University of California at Davis, and her master's degree in nutritional sciences and Ph.D. in molecular and cell biology from Cornell University.

She has received the Research and Career Development Award from the National Institutes of Health and the Mead-Johnson Award from the American Institute of Nutrition. She is the recipient of the Pattishall Award for Excellence in Research from the College of Health and Human Development.

■ David Rynd, interim regional director for the Western Region, has been named director of Penn State Cooperative Extension and Outreach for the Northwest Region. He will provide leadership for cooperative extension and coordination for University outreach programs in Crawford, Clarion, Erie, Forest, Lawrence, Mercer, Venango and Warren counties.

He received a bachelor's degree in agronomy in 1971 and a master's degree in agricultural and extension education in 1980, both from Penn State. He began his career as an agricultural extension agent in Lawrence county in 1971 and was promoted to regional agricultural program leader in 1983, supervising agricultural programs in 17 counties. He was assistant to the regional director for the Western Region from 1988-95, and was named acting regional director for the Western Region and then became interim regional director in 1995.

Associate dean comes on board

Paul Backman, director of the Biological Control Institute at Auburn University since 1993, has been named associate dean for research and graduate education and director of the Agricultural Experiment Station in the College of Agricultural Sciences.

As the Biological Control Institute director, Backman was responsible for developing ecologically sound alternatives to pesticides while supervising

the activities of 27 faculty members in three colleges and five departments. He also developed funding sources within the university and from outside agencies and industries, and organized faculty research teams to address specific issues. He administered more than \$2 million in funds for institute projects. He also served as the Alabama Agricultural Experiment Station Integrated Pest Management (IPM) coordinator.

Backman has been instrumental in attracting top graduate students to the Biological Control Institute and also has worked extensively with graduate students on his own research projects. He has extensive international experience, serving as a researcher at the European Biological Control Laboratory in 1997 and making numerous research trips to Central and South America, Europe and the Pacific Rim. He also served as a consultant for the International Atomic Energy Agency of the United Nations from 1989 to 1991. In addition, he worked as a senior plant pathologist for the United Nations in Uruguay in 1978 and 1979.

He has published more than 100 articles in journals and professional publications and also served on the board of directors of the Alabama Center for Biotechnology from 1994 to 1995. Backman joined the Auburn faculty in 1971 as an assistant professor and moved up the academic ranks to full professor by 1983. He has served on numerous professional and university committees throughout his career. He teaches both graduate and undergraduate courses.

He earned his A.A. in biological sciences from Yuba College in Marysville, Calif., in 1964 and went on to receive a B.S. and a doctorate in plant pathology in 1966 and 1970, respectively, from the University of California, Davis.

Penn State Beaver adds three to admissions staff

Three familiar faces have recently joined the Penn State Beaver admissions staff.

Hired as full-time admissions counselors were Tiffany MacQuarrie and Kenny Williams.

MacQuarrie, who has worked at Penn State Beaver for five years, was a member of the Residence Life staff.

Williams has been employed at the campus for three years. He was the program coordinator for the Housing and Urban Development Drug Elimination grant.

Rocco R. DeMaio was named the new admissions coordinator at Beaver, responsible for overseeing the admissions operation. DeMaio, a 27-year campus employee, also will retain his position as the Division of Undergraduate Studies program coordinator.

The three will work along with the existing staff to recruit new students to the campus.



A. CATHARINE ROSS



TIFFANY MACQUARRIE



KENNY WILLIAMS

Partings

Hazleton associate professor retires after 31 years of service

As the spring 1998 semester begins, one of Penn State Hazleton's most enduring and respected figures is at home making plans for fly-fishing rather than in his office devising ideas for term paper assignments.

After 31 years of service to the campus and the University, Michael A. Santulli, associate professor of philosophy, has retired. An avid fisherman, Santulli will no doubt relish the added time retirement will allow him to spend casting his line for a fresh catch.

After receiving a bachelor's degree in chemistry from St. Francis College, Brooklyn, N.Y., and a master's in philosophy from Fordham University, Santulli joined the Penn State Hazleton faculty as an assistant professor in 1962. He earned his doctorate from Penn State and returned to the local campus in 1972. Since then he has enjoyed a tenure filled with honors, accolades and achievements.

The fact that students have voted him Teacher of the Year nine times, including four out of the last five years, is indicative of his popularity on the campus. In 1987, he won the AMOCO Foundation

Outstanding Teaching Award. He donated the \$1,500 award honorarium to Penn State Hazleton's fund for a new academic center, the Graham Academic Building.

Chair of the Penn State Hazleton philosophy department, Santulli has served on more than a dozen campus and University committees, and been active in several community and civic groups. He authored the book *The Artist and the Audience*, and has either written or contributed to a number of diverse publications, as well as several instructional video and audio tapes. He will return to Penn State Hazleton in the spring as the main speaker at the campus' annual Honors Convocation.

A New York native, Santulli currently resides in Mountaintop with his wife, Odile. About teaching, Santulli said, "I've always been impressed by teachers who have the vision and commitment to overcome enormous obstacles to realize the promise and potential that young people have, and live with the frustrations and joys such an enterprise entails."

Distinguished professor to continue research

Hubert L. Barnes, distinguished professor of geochemistry and director of the Ore Deposits Research Section of the Department of Geosciences, has retired from the faculty after 37 years of service.

Barnes is known internationally for his research into the geochemistry, thermodynamics and kinetics of hydrothermal processes, particularly the formation of ore deposits and the characteristics of geothermal systems. He developed an experimental system for measuring hydrothermal kinetics and a theory for interpreting the data for geochemical purposes.

Barnes has published about 150 articles and books on his research, and edited *Geochemistry of Hydrothermal Ore Deposits*, published by John Wiley & Sons, which is the standard text in the field. He holds several patents.

Barnes received a B.S. in geology from the Massachusetts Institute of Technology in 1950 and his Ph.D. in economic geology from Columbia University in 1958. He served as a postdoctoral fellow at the Carnegie Institution of Washington from 1956 to 1960, when he joined Penn State as an assistant professor of geochemistry. He was promoted to associate professor in 1963, professor in 1966 and, in 1990, distinguished professor of geochemistry. In 1969, he was appointed director of the Ore Deposits Research Section. He has been honored with a Senior Humboldt Prize and a Guggenheim Fellowship. He has served as a National Academy of Sciences exchange scientist and as a visiting professor at universities in China, Australia, Europe, Japan, India and the Soviet Union, and as distinguished lecturer at many institutions around the world.

In 1996 he was appointed honorary professor and distinguished visiting Fellow of the University of Wales, that institution's highest honor. Barnes has served on a number of National Research Council committees for the geosciences including appointments as chairman of the U.S. National Committee for Geochemistry, as a member of the governing board of the American Geological Institute and charter member of the Geochemical Society.

In addition, he has chaired N.A.T.O. and National Science Foundation Advanced Study institutes in Spain and Brazil.

He is continuing his extensive research program in retirement.

Several are honored with emeritus status

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Alan Davis, professor of geology in College of Earth and Mineral Sciences, from Jan. 1, 1973, to Nov. 1, 1997.

David P. Gold, professor of geology in College of Earth and Mineral Sciences, from July 1, 1964, to Jan. 1.

Shirley Marchalonis, professor of English and women's studies at Penn State Berks-Lehigh Valley, from Sept. 1, 1974, to Jan. 1.

Albert N. Skomra, campus executive officer/associate professor of English at Penn State Shenango, from Sept. 1, 1966, to Nov. 15, 1997.

Twenty-seven longstanding employees depart

Joel D. Carter, associate director for administration and utilization in Continuing and Distance Education, from July 14, 1969, to Sept. 1, 1997.

John D. Connor, professor of pharmacology at The Hershey Medical Center, from June 1, 1969, to Dec. 1, 1997.

Gale G. Gregory, assistant professor of English at Penn State Wilkes Barre, from Sept. 1, 1965, to June 30, 1997.

John N. Grode, assistant professor of engineering at Penn State Erie, Behrend College, from Sept. 16, 1966, to June 30, 1997.

Thomas D. Hewitt, admissions officer at Penn State DuBois, from Feb. 19, 1968, to July 1, 1997.

Edith A. Johnson, staff assistant VIII in College of Education, from July 1, 1967, to June 30, 1997.

Donald L. Lepparth, assistant professor of business at Penn State Fayette, from Sept. 1, 1966, to June 30, 1997.

Lorraine Mrackoski, financial aide and veteran's aide at Penn State Wilkes-Barre, from March 6, 1967, to July 1, 1997.

Mary Ann Mudrow, staff assistant IV in University Libraries, from Oct. 11, 1966, to June 30, 1997.

Robert S. Paranch, assistant professor of engineering at Penn State Wilkes-Barre, from Sept. 1, 1966, to July 1, 1997.

John J. Parnay, community service officer in University Safety, from April 13, 1970, to June 30, 1997.

Ronald A. Petak, campus Registrar at Penn State Altoona, from Aug. 1, 1968, to Aug. 30, 1997.

Franklin Platts, associate professor of general engineering at Penn State Schuylkill, from Sept. 1, 1957, to June 30, 1997.

Lynn A. Poole, research associate in Applied Research Laboratory, from Aug. 1, 1967, to June 28, 1997.

Charles R. Poust, service desk coordinator in Office of Physical Plant, from Dec. 9, 1970, to June 28, 1997.

Sandra M. Rano, administrative assistant I in College of the Liberal Arts, from Dec. 1, 1962, to June 30, 1997.

Ruth E. Raycroft, assistant professor of microbiology in CES Central, from Sept. 1, 1963, to June 30, 1997.

Richard F. Reynolds, assistant professor of mathematics at Penn State McKeesport, from Sept. 1, 1966, to June 28, 1997.

Delores Rockey, food service worker in Housing and Food Service, from Feb. 14, 1969, to May 13, 1997.

Charlotte L. Saylor, staff assistant VII in Office of the Corporate Controller, from Oct. 1, 1967, to June 30, 1997.

Rebecca Schreffler, staff assistant VI in College of the Liberal Arts, from Sept. 1, 1963, to June 30, 1997.

Wayne C. Smith, electronic technician A in University Libraries, from Oct. 1, 1967, to June 30, 1997.

Janet S. Snyder, administrative assistant II in Research and Graduate Studies, from Jan. 19, 1970, to June 28, 1997.

Eileen M. Spotts, staff assistant VIII in Eberly College of Science, from Aug. 14, 1967, to Oct. 1, 1997.

Paul E. Stamm, police services officer in University Safety, from June 7, 1971, to June 30, 1997.

Leonard L. Szpara, advising program coordinator at Penn State Worthington Scranton, from Sept. 1, 1968, to July 1, 1997.

Kandiah K. Thanigalam, assistant professor of mathematics at Penn State Beaver, from Sept. 1, 1971, to June 30, 1997.

Leaves of Absence

Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the individual's future contribution to the University. Leaves of absence for University Park will appear in next week's Intercom.

The following leaves of absence have been approved for locations other than University Park:

Ablington College

William S. Abruzzi, associate professor of anthropology, to complete a book-length manuscript on historical ethnic relations in New Mexico.

James E. Alcock, associate professor of environmental science, to conduct collaborative research on the tectonic and metamorphic history of the northeastern Adirondack Highlands.

Gary S. Calore, associate professor of philosophy, to complete the first draft of a book on the concept of time in American philosophy.

Peter B. Crabb, associate professor of psychology, to complete a book about the social and psychological impact of technology in the home, in public settings and in the workplace.

Kathryn E. Kearns, assistant professor of kinesiology, to conduct a teaching residency for dance educators and students of dance at the Universidade Federal de Vicosia in Brazil; and to continue research on Baroque-era sculptor Aleijadinho in order to create a dance work based on his life, spirit and achievements.

Patrick J. Moylan, assistant professor of physics, to study the spawner and prey representations of the coniform group and their quantum deformations, together with a study of the physical applications of chromometric theory at the Massachusetts Institute of Technology.

Altona College

Marc L. Harris, associate professor of history, to conduct research and prepare a draft manuscript on how the right of assembly was understood and how that understanding changed in the United States from the revolutionary period through 1850.

Dinty W. Moore, associate professor of English, to conduct research and complete the first draft of a book-length manuscript of creative nonfiction focusing on fatherhood, specifically on the challenges of men fathering young daughters.

Roger R. Zellner, associate professor of art education, to prepare a manuscript titled, "Drawing as a Second Language — A Self-Help Book," based on personal experiences.

Berks-Lehigh Valley College

Raymond A. Mazurek, associate professor of English, to complete a book-length manuscript on the critical reception of Ralph Ellison's *Invisible Man* and on related issues of canon formation in contemporary literature.

Louis Milakofsky, professor of chemistry, to conduct collaborative research

on fundamental weaknesses in our understanding of the allantoic and amniotic fluids, two media crucial for the development and health of the chick embryo.

Capital College

Joseph J. Ceere, associate professor of engineering, to create instructional materials to teach estimating and supplement an estimating text at the Associated General Contractors of America in Washington, D.C.

Refik Culpin, associate professor of management and international business, to work on a book-length manuscript on managing global business alliances.

Jan E. Harris, associate professor of professional accounting, to study the history and impact of three initiatives in federal financial management and accounting: The establishment of the Federal Accounting Standards Advisory Board, the adoption of The Chief Financial Officer Act of 1990 and the adoption of The Government Performance Results Act of 1993.

Louise E. Hoffman, associate professor of humanities and history, to study the history of psychological research on Germany and other countries during the World War II; and to conduct archival research at the United States National Archives, the Library of Congress, the Archives of the History of Psychology in Ohio and the Public Records Office in London.

Mehdi Khosrowpour, associate professor of information systems, to conduct research on Web-enabled technologies and opportunities; the applications they offer; and their overall impact on organizations of all types and sizes throughout the world.

Samuel A. McClintock, associate professor of environmental engineering, to work with companies in the United States and the United Kingdom on advanced wastewater treatment projects and to observe methods for delivering design courses in engineering.

Steven A. Melnick, associate professor of education, to gather data and write a series of four related papers on team-based professional development.

David Moran, associate professor of management, to study the concept of power distance as it applies to worker-manager relations in Mexican business firms.

Gautam Ray, professor of engineering, to acquire formal training in engineering educational material in multimedia format and applying the knowledge gained in authoring computer-aided educational material in engineering dynamics.

Girish H. Subramanian, associate professor of information systems, to study the development of global software and its forms and mechanisms in developed and developing countries throughout the United States, the United Kingdom, Singapore and India.

Ugur Yucelt, associate professor of marketing, to conduct research for journal articles and a book-length manuscript that analyzes the economic and marketing impact of technology transfer to newly-industrializing nations.

Commonwealth College

Alan R. French, associate professor of biology at Penn State Wilkes-Barre, to conduct laboratory and field studies to determine the mechanisms used by mammalian hibernators to time their emergence from dormancy.

Lionie Golden, assistant professor of economics at Penn State Delaware County, to analyze new government census data sets regarding the number and type of nontraditional, contingent jobs.

Stephen C. Hoops, assistant professor of chemistry at Penn State New Kensington, to analyze educational applications of computational chemistry in general chemistry laboratory courses at United States institutions.

J. Michael Jarrett, associate professor of English at Penn State York, to complete the final draft of a book on record producers and to initiate an edited book on the discourse of record reviews.

John A. Johnson, professor of psychology at Penn State DuBois, to establish an interactive World Wide Web site for the International Personality Item Pool which will enable world-wide, collaborative psychometric research among faculty and students at the Oregon Research Institute.

Arshad Khan, professor of chemistry at Penn State DuBois, to complete a collaborative project on various properties of liquid water and involve undergraduate research on enzyme activity in the presence of tea extract, sodium citrate and ammonium chloride.

Richard A. Kopley, associate professor of English at Penn State DuBois, to complete a book of essays concerning the composition of works by Poe, Hawthorne and Melville; and to continue to identify and edit journalistic pieces by Poe.

Veronica Montecinos, associate professor of sociology at Penn State McKeesport, to complete a book manuscript on the economics profession in China and two edited volumes, one on the gender impact of pension privatization in the Americas and the other on the Americanization of economics in the world.

Lawrence R. Newcomer, assistant professor of computer science and engineering at Penn State York, to study the use of collaborative, active and distance learning in introductory and advanced computer science courses.

André J. M. Prévos, associate professor of French at Penn State Worthington Scranton, to complete a monograph about the arrival, impact, adoption and adaptation of popular African Ameri-

can music in France during the 20th century.

Peggy A. Russo, assistant professor of English at Penn State Mont Alto, to co-edit and prepare for publication the papers from a multidisciplinary conference on John Brown and his significance for American society on the eve of the Civil War as well as today.

Gayle L. Smith, associate professor of English at Penn State Worthington Scranton, to develop a book-length study of the connections between Ralph Waldo Emerson's theories of language and mind, his responses to the visual arts and natural landscape, and his characteristic prose style.

George K. Teo, assistant professor of environmental sciences at Penn State Hazleton, to coordinate a joint United States-China project on Chinese enterprise privatization through employee ownership at the China Research Centre for Management Science and the State Commission for Restructuring Economic Systems.

The Dickinson School of Law

James R. Fox, professor of law and director of the law library, to serve as a visiting scholar at McGill University Institute of Air and Space Law and to research and write a book on the history of the International Civil Aviation Organization.

Michael A. Mogill, professor of law, to work for Legal Services Inc. of Cumberland County to represent indigent clients in cases involving unemployment compensation, consumer rights, special education, landlord/tenant and domestic matters.

Laurel S. Terry, professor of law, to conduct a comparison of the legal ethics and other provisions that affect United States and German lawyers' abilities to engage in multidisciplinary partnerships.

Penn State Erie, Behrend College

Ursula Davis, assistant professor of communication, to conduct research for a manuscript of a book on James Moody, a life in jazz.

Ralph L. Eckert, associate professor of history, to complete the research and writing of a manuscript on the impact of the Civil War upon the civilians of the Shenandoah Valley of Virginia between 1860 and 1870.

James A. Kurre, associate professor of economics, to conduct research and identify new variables that determine the cost-of-living differentials between places, improve the technique for measuring their impact and estimate an actual cost of living index for the counties of Pennsylvania.

College of Medicine

Joanna Flores, professor of cellular and molecular physiology, to conduct biostatistical genetic analyses to advance knowledge in the new branch of biostatistics, the statistical genetics.

Anne H. Hawkins, associate professor of humanities, to research and write a book-length study of the experience of the cost-of-living differentials between the families and medical caregivers in the HIV clinic at Penn State Geisinger.

Faculty/Staff Alerts

Information booth closed

The information booth on Curtin Road, in front of the Palmer Museum on the University Park campus, was permanently closed Dec. 24, 1997. Booths remain open at the following locations: Pollock Road between Walker Building and Noll Lab; at the entrance to Nittany Parking Deck; Allen Street near Business Administration Building; and Curtin Road in front of Internal Building.

Red Cross blood schedule

The American Red Cross, Centre Communities Chapter, will conduct several blood drives at University Park over the next several weeks, as follows:

- Tuesday, Jan. 27: Kern
- Monday, Feb. 2: Housing and Food Services
- Tuesday, Feb. 3: HUB
- Wednesday, Feb. 4: HUB
- Thursday, Feb. 5: HUB

All of the blood drives take place from 10 a.m. to 4 p.m. Donor eligibility can be confirmed by calling the Red Cross at 1-800-54-BLOOD. The entire donation process takes a little more than an hour, including a brief health check and something to eat. Although walk-ins are welcome, appointments are recommended. Call 237-2713.

Creative writing awards

Monday, Feb. 2, is the deadline for submitting entries in the annual Katey Lehman Creative Writing Awards contest. Sponsored by the College of the Liberal Arts and the College of Communications, this competition is open to all Penn State undergraduates, regardless of curriculum or campus, who have at least sophomore standing and who will be in residence during the spring 1998 semester. Winners will be announced by March 15.

The Katey Lehman Creative Writing Awards are made annually in poetry, fiction and journalism. The prize in each category will be \$750. Application forms can be obtained by mail or in person, from the English department, 103 Burrows Building, University Park. For more information on submissions, award criteria or judging, contact Tom Berner at (814) 863-7993 or via e-mail at bz2@psu.edu.

Support groups

With the opening of the new Penn State Geisinger Family Health Group facility on Cherry Drive in Hershey, the location of several educational programs and support group meetings will change beginning in February.

The following meetings will be held in the community center at the Cherry Drive site at the northeastern end of The Milton S. Hershey Medical Center campus, across from Fox's Market, unless otherwise noted:

- **Breast Cancer Support Group:** Meets the first Monday of each month, from 6:30-9:30 p.m., beginning Feb. 2. Contact Nancy Toth, R.N., at (717) 531-5867.
- **Infant Loss Support Group:** Meets the third Monday of each month, from 6:30-7:30 p.m., beginning Feb. 16, in the Biomedical Research Building. Contact Joni McCrady, R.N., at (717) 531-3503.
- **C.O.V.E. Support Group:** For women with cancers of the reproductive system, meets the second Thursday of each month, from 6:30-8:30 p.m., beginning Feb. 12. Contact Nan C. Resnick at (717) 531-5658.
- **Preparation for Childbirth and Parenthood Programs:** For more information, call (717) 531-6981.
- **Menopause Support Group:** Meets Feb. 11, 18 and 25, from 6:30-8 p.m. Contact Nan C. Resnick at (717) 531-5658.

Women's health programs offered

The Penn State Geisinger Women's Health Center will offer several special programs during February aimed at helping women to improve their health and maintain healthy lifestyles. All programs will be held at the Penn State Geisinger Family Health Group facility on Cherry Drive in Hershey. Dates, times and topics follow:

- **Wednesday, Feb. 4:** Diabetes Management, 6:30-8:30 p.m.; Physical Activity and Women's Health, 7-8 p.m.
- **Thursday, Feb. 5:** Assertiveness, 6:30-7:30 p.m.

- **Wednesday, Feb. 18:** Physical Activity for Bone Health, 7-8 p.m.; and
- **Tuesday, Feb. 24:** Successful Retirement Planning, 6:30-7:30 p.m.

For additional information, call Hershey at (717) 531-3503.

Expo exhibitors sought

The Center for Quality and Planning invites all quality improvement teams to exhibit in the Quality Expo on Wednesday, April 22. The Quality Expo is an annual event that showcases the accomplishments of individuals and teams involved in quality improvement initiatives at Penn State.

Over the last five years, dozens of teams and hundreds of visitors have come together to share, learn and celebrate continuous quality improvement. More than 67 teams exhibited last year, representing 17 different units. This year, a Quality Conference featuring improvement practitioners from Penn State and other institutions will precede the Expo on Tuesday, April 21. David Ward, chancellor at the University of Wisconsin, Madison, will present the conference plenary address, "Advancing A Vision Through Systemic Approaches."

The Quality Expo is a free event. There is no charge for exhibitors or visitors. The deadline for exhibit applications is Feb. 1. For more information on exhibiting, call the Center for Quality and Planning at (814) 863-8721, or visit its Web site at http://www.psu.edu/president/cqf/expo_98. A discounted fee will be charged for all faculty, staff and students interested in attending the Quality Conference. For more information on the Quality Conference, call Roberta Moore at (814) 863-5160.

Conflict of interest reminder

The Board of Trustees would like to remind all employees of Penn State's policy regarding potential conflicts of interest. Employees of the University should exercise the utmost good faith in all transactions that touch upon their duties to the University and its property. In their dealings with and on behalf of the University, employees will be held to a strict rule of honest and fair dealings between themselves and the University. Employees should not use their positions, or knowledge gained in those positions in a way that a conflict of interest might arise between the interest of the University and that of the individual. Employees should disclose to the administrative head of the college or other unit in which they are employed, or other appropriate superior officer, any potential conflict of interest of which they are aware before a contract or transaction is consummated.

"Depressed" people needed

Most people feel depressed at some time or another in their life, but some experience major depression. A study designed to help people with this problem currently is being conducted. You may be experiencing major depression if you:

- Feel depressed most of the day, nearly every day;
- Experience a marked decrease of interest and pleasure in almost all activities;
- Feel fatigue or loss of energy most of the day;
- Feel worthless or excessive guilt; or
- Feel a decreased ability to think or concentrate.

If you believe you are experiencing major depression and would like to be considered for a study being conducted by the Department of Psychology, please call Charles Hines at (814) 863-4833.

Subjects (ages 18-55) included in the study will receive 12 to 20 free sessions of individual psychotherapy, either immediately after being assessed for depression or 12 to 20 weeks later. Subjects also will be asked to complete various questionnaires during and after treatment. A brief telephone interview will help with a preliminary determination of the suitability of this treatment for you. If you cannot be included in this treatment, alternate referral suggestions will be made. Strictest confidentiality is maintained.

Courses

Health Matters courses

To register for the following program offerings on the University Park campus, please see your *Health Matters* brochure or contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ **Gaining Control of Your Life and Illness (WEL 130)**

If you have a chronic disease such as asthma, diabetes, bronchitis, multiple sclerosis, or allergies you can take steps to remain happy and healthy. Meets Friday, Jan. 23, from noon to 1 p.m., 110 Henderson Building (The Living Center). Free.

■ **Effectiveness of Positive Thinking (WEL 115)**

Meets Friday, Jan. 30, 1-2:30 p.m., 301 Agricultural Administration Building. Cost: \$5.

■ **Mindfulness-Based Stress Reduction (WEL 137)**

Eight-week program to learn how to tap the wisdom of the body and mind so that you can more effectively deal with stress, chronic illness and pain, anxiety, fears and life challenges. Class fee includes book, cassette tape and a retreat. Meets Tuesdays, Jan. 27-March 24 (excluding March 10), 4:30-6 p.m., 110 Henderson Building (The Living Center). Cost: \$150; Health America HMO reimbursable.

Learn LIAS

The University Libraries are offering basic get-to-know classes in LIAS (the online Library Information Access System), primarily geared toward undergraduates, from Feb. 2-6 on the University Park campus. There will be two 45-minute sessions each day at 11:30 a.m. and 1:30 p.m. in Central Patee, Room 401.

Participants will learn how to find books, magazines, music, maps and other materials; use important LIAS searching commands; locate materials using the online catalog from their residence hall rooms or homes; and much more. No registration is necessary.

For more information, check out the Libraries' home page at <http://www.libraries.psu.edu>.

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs on the University Park campus, complete the registration form found in the back of the Fall HRDC catalog, and fax to (814) 865-3522.

- **From Frazzled to Focused: Positive and Productive Telephone Skills, COM 045** — Feb. 9, 9 a.m.-4 p.m., 319 Rider Building. Cost: \$89.
- **Avoiding Mental and Physical Burnout, PER 003** — Feb. 10, 11:30 a.m.-1 p.m., 319 Rider Building. Cost: \$89. This program meets for four sessions.
- **Exceptional Quality Service, CUS 001** — Feb. 20, 8:30 a.m. to noon, 319 Rider Building. Cost: \$44.
- **Supervisor Skills for Coping with Conflict in the Workplace, LDR 072** — Feb. 19, 8:30 a.m. to noon, Agricultural Sciences Building. Cost: \$39.

Penn Staters

Dinesh Agrawal, professor of materials and director of the Microwave Processing and Engineering Center at the Materials Research Laboratory, presented an invited talk on "Microwave Processing of Ceramics: Recent Developments at MRL" at Banaras Hindu University (Varanasi), Solid State Physical Laboratory (New Delhi) and Associated Cement Companies (Mumbai) in India.

J. Gary Augustson, executive director of computer and information systems, has been honored by the Committee on Institutional Cooperation Chief Information Officers for his leadership in the Internet 2 project. Internet 2 is a project intended to provide member universities with new network services and connections that are 100 times faster than the current Internet. Internet 2 is now backed by more than 100 higher education institutions, organizations and private industries. The CIC is the academic consortium of the Big 10 universities, plus the University of Chicago.

Jay Belsky, distinguished professor of human development in the College of Health and Human Development, presented an invited paper titled "The Parenting Dilemma: Whether to Have Children" at the International Symposium on Children and the Family in the 21st Century in Tokyo. Belsky also was one of 100 people recently invited by President Clinton to attend the White House Conference on Child Care. In November, Belsky also gave an invited address on "Day Care and Child Development" at the annual meeting of the Korean Association of Child Studies.

Blannie Bowen, C. Lee Rumberger and family professor of agriculture, was named the winner of the National FFAHO. Sergeant Award. The award recognizes individuals who "are successful in achieving and promoting diversity in agricultural education and the FFA."

A. Welford Castleman Jr., Evan Pugh professor of chemistry, recently delivered an invited talk titled "Clusters: Elucidating the Influence of Solvation on Reaction and Ionization Dynamics" at Femtochemistry '97, the major biannual conference on ultrafast processes held in Lund, Sweden.

L. Eric Cross, Evan Pugh professor of electrical engineering at the Materials Research Laboratory, presented the Dow Lecture in Materials Science and Engineering on "Recent Developments in Piezoelectric Ferroelectric Materials and Composites" at Northwestern University.

Peter Kent Forster, associate director, Department of Distance Education, delivered the keynote address "Distance Education: Trends, Advantages and Challenges" at the Distance Learning: Experience and Development conference in Tashkent, Uzbekistan, sponsored by the International Research and Exchange Board and the U.S. Information Agency. Forster also made a second presentation at the conference on Penn State's distance learning program in Russia.

Henry Giroux, Waterbury chair professor in the College of Education, has been elected into the Laureate Chapter of Kappa Delta Pi, an international honor society in education.

An Award of Excellence in the 1997 Videographer Awards competition has been earned by Pennsylvania College of Technology's marketing video, "Degrees of Excellence — Degrees That Work." The

video was created and produced by the college's Instructional Technology and Media Services Center. Footage for the video was captured primarily by James T. Gugno, video engineer/editor, with Bruce E. Huffman, producer/videographer, providing additional footage, script creation, graphics and editing. The center is directed by Frederick T. Gilmour. The video was judged against 1,890 other entries from 42 states. The Videographer Awards, a division of The Communicator Awards, is a national awards organization that helps set standards for the video production industry.

The Association of Blind Athletes of New Jersey recently recognized Charles F. Gunderman, assistant professor of exercise and sport science at Penn State DuBois, for his ongoing contributions over the last 20 years to the association and to the quality of life for blind athletes. Gunderman's wife, Sharon, was also recognized for her contributions to blind athletics.

The Society for Music Theory has recognized Associate Professor Robert Hatten of the School of Music with the Wallace Berry Publication Award for his book, *Musical Meaning in Beethoven: Markedness, Correlation and Interpretation* (Indiana University Press, 1994). The award is the highest honor bestowed by the Society for Music Theory for outstanding publication of a book by a senior scholar. Hatten shares the award this year with one of the leading scholars in the field, Allen Forte, whose book examines American popular ballads of the early 20th century.

Hatten's book develops an original theory of musical expressive meaning based on Beethoven's late style.

Drew Hyman, professor of public policy and community systems in the College of Agricultural Sciences, was elected chair of the Scanning Certification Program Board of Advisers. The certification program is the only independent board in the United States that addresses supermarket pricing accuracy and certifies scanner programs.

Austin J. Jaffe, Philip H. Sieg professor of business administration and research director of the Institute for Real Estate Studies, gave presentations overseas: "Economics, Institutions and European Housing in Transition," was the topic of his keynote address at the Young Housing Researchers Seminar in Budapest, Hungary; in Tallinn, Estonia, he presented a paper titled "Achieving Satisfaction in Housing Markets: Bricks and Mortar or Social Rules?" for the reunion of the CIB-W69 Commission; and in Hong Kong, he addressed "Housing Privatization: The Eastern European Experience," in a presentation at the Asian Real Estate Society International Conference.

Iam-choon Khoo, professor of electrical engineering, has been elected a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) for "contributions to optical, electro-optical and nonlinear optical phenomena in liquid crystals and their application in optical devices."

Sridhar Komarneni, professor of clay mineralogy in the Department of Agronomy and Materials Research Laboratory, gave an invited talk on "Tailored-Silica Gels for Natural Gas Storage" at Chiba University, Chiba, Japan. He also co-organized a symposium on "Porous Materials" at the International Union of Materials Research Societies meeting in Chiba, Japan.

Herbert H. Lipowsky, professor and chairman of the Department of Bioengineering in the College of Engineering, has been named president of the Biomedical Engineering Society. Lipowsky will serve as the society's president for one year.

Barnes W. McCormick, professor emeritus of aerospace engineering, gave an invited lecture at Middle East Technical University in Ankara, Turkey, titled "Some Observations Related to Aircraft Accidents."

Robert E. Newnham, Alcoa professor of solid state science, and Gary L. Messing, director, Materials Research Laboratory, gave invited lectures at the 6th International Symposium on Ceramic Materials & Components for Engines (Nagasaki, Japan). Messing gave a presentation on "Processing of Organized Ceramic Microstructures by Templated Grain Growth." Newnham spoke on recent advances in piezoelectric materials and devices. He also gave a presentation on this topic at the International Symposium on Ceramic Matrix Composites in Tokyo.

J. Sweeney, professor in the Department of History, was a recent guest lecturer of the Department of History at the University of Haifa, Israel. Sweeney's topic was "Andrew II of Hungary in the Holyland: A Reappraisal."

Michael J. Taleff, assistant professor of education and coordinator of the College of Education's master's degree program in chemical dependency counseling, has been selected as president-elect of the International Coalition of Substance Abuse Educators (INCASE) for 1998-99. INCASE is a professional society of faculty and educators created to address interests of educational programming in alcohol, drug and other addiction studies. It also promotes research, networking and policy development.

Paul S. Weiss, associate professor of chemistry, recently gave several invited international lectures. At the International Workshop on Surface Chemistry on the Nanoscopic Scale in The Netherlands, Weiss gave the closing talk titled "Natural and Artificial Means of Controlling Molecules on Surfaces." He also gave an invited lecture titled "Atomic-Scale Views of Interactions and Dynamics of Molecules on Surfaces" at the University of Cambridge in England, at the FOM Institute for Atomic and Molecular Physics in The Netherlands, and the Fritz-Haber-Institut der Max-Planck-Gesellschaft in Germany.

Donald J. Willower, distinguished professor of education, received the Roald Campbell Award for Lifetime Achievement at the Annual Conference of the University Council for Educational Administration (UCEA). UCEA is an organization of more than 50 universities in North America with doctoral programs in educational administration. The award recognizes long-time service as a teacher, researcher and leader in education, and superior contributions to the field.

Francis T.S. Yu, Evan Pugh professor of electrical engineering, was awarded the 1998 Donald G. Fink Prize by the Institute of Electrical and Electronics Engineers (IEEE) for a paper titled "Optical Pattern Recognition: Architectures and Techniques." Yu co-authored the paper with Don A. Gregory, associate professor at the University of Alabama. The paper discusses the development of and recent advances in the field of optical pattern recognition.

Elderly African Americans offer clues to successful aging

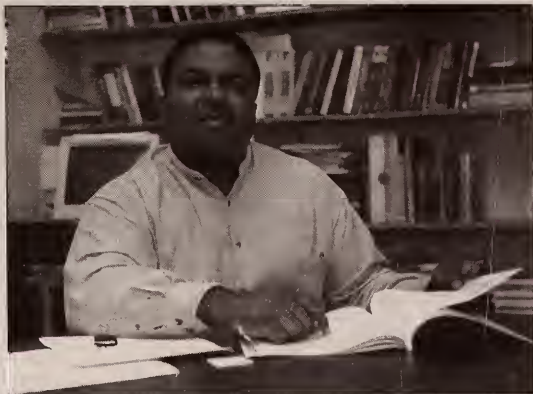
BARBARA HALE
Public Information

A study of elderly African Americans has shown education levels and health status to be important intervening factors in the failing memory, declining language skills and other deteriorating cognitive processes often thought to be inevitable consequences of advancing age.

"Aging is synonymous with cognitive decline in the public's mind and science's perspective has been one of decline in old age, too," said Keith E. Whitfield, assistant professor of biobehavioral health and lead author of the study. "However, when we looked over several factors, education and health were the most important predictors of the status and course of cognitive functioning in older African Americans."

"In more than 30 years of research conducted on cognitive aging, few studies have focused specifically on cognitive aging among African Americans. Identifying risk factors for maintenance, decline or enhancement of cognitive functioning that are prevalent in African Americans contributes to our understanding of cognitive aging for all elderly."

The study was based on data derived from personal interviews with 224 successfully aging African Americans 70 to 90 years old living at three different sites. The participants, a subset of the larger MacArthur Successful Aging Study, were tracked over two years to identify



Keith E. Whitfield, assistant professor of biobehavioral health, has found education and health to be the most important predictors of cognitive function in older African Americans.

Photo: Greg Grieco

risk factors for maintenance, decline or enhancement of cognitive functioning.

One of the most striking aspects of the findings, according to the researchers, is that decline in cognitive function is not an inevitable consequence of advancing age. Nearly half of the subjects improved or maintained their level of cognitive performance over the two-year period.

Whitfield said study participants were at the top of their age group in physical and cognitive functioning. By studying them, the researchers hoped to find out why they were aging so successfully; what kinds of things influence successful

aging; and what interventions might help keep other people living a good quality of life.

Among the researchers' findings:

- Women are less likely to experience decline in cognitive functioning than men.

- Current health and health compared to a year ago were significant predictors of improvement as was the person's self-rating of health.

- A person's ability to perform a forced expiratory volume test (blowing into a tube), was a statistically significant predictor of decline but the presence of a chronic disease was less significant.

- Education also was a

significant predictor, with lower education associated with greater decline.

Whitfield worked with Teresa E. Seeman, Andrus Gerontology Center, University of Southern California; Toni P. Miles, former Penn State professor of biobehavioral health and now professor of family practice, University of Texas Health Science Center at San Antonio; Marilyn S. Albert, Massachusetts General Hospital; Lisa F. Berkman, Department of Health and Social Behavior, Harvard School of Public Health; Dan G. Blazer, Duke University Medical Center; and John W. Rowe, Mount Sinai School of Medicine and The Mount Sinai Hospital.

New shielding device helps reduce radiation exposure for patients

Researchers in the College of Medicine have invented a way to protect the eyes, thyroid gland and female breasts during CT scans.

"Certain areas have always been shielded when they were not in the primary field of view. However, we have now developed a method where these areas can be in the primary X-ray field and still be protected and even with this new shielding, the diagnostic portion of the image is not affected," said Dr. Kenneth D. Hopper, professor of radiology and the inventor of the product. "For each area, we have formed a bismuth latex material into unique shapes. The garments are easy to use and can be put on and off, and there are no side effects," Hopper said.

Computer tomography, or CT, is an important radiology test needed by thousands of patients each year. The CT scan is an X-ray that is taken 360 degrees around the patient. While the information can be essential in guiding their treatment, unfortunately a patient does receive significant doses of radiation from the X-rays. Several superficial parts of the body are more sensitive to this radiation than others, including the eyes, thyroid gland and in women, breasts. By placing this thin bismuth garment over these areas, radiation exposure can be reduced to bristly by 57 percent. Radiation to the thyroid was reduced 60 percent and radiation to the eyes was reduced 40 percent. In addition, the bismuth material was far more elastic and moldable to the body's surface than the traditional leaded material.

"When you realize that radiation is cumulative throughout a lifetime, you see that cutting the radiation during these procedures can be significant for individuals," Hopper said.

Hopper said the reusable protective garment for the breast will probably cost less than \$30. The shields for the eye and the thyroid are about \$5, and all are widely available.

College of Medicine earns grant to continue HIV research

Dr. Michael Katzman, assistant professor of medicine and microbiology and immunology in the College of Medicine, has been awarded \$116,000 to continue his HIV research. The award will fund the project "HIV-1 Integrase, the Next Target for Antiretroviral Therapy."

Katzman is investigating how the human immunodeficiency virus

(HIV) incorporates its genetic information into the DNA of infected human cells. This process ultimately results in the acquired immunodeficiency syndrome (AIDS).

"We are planning to study the problem at the molecular level in hopes of ultimately blocking this step in virus replication. This research also may have relevance to other

retroviruses and to some cancers," Katzman said.

He has been investigating retroviral integration since 1986. Katzman developed a biochemical assay that is used throughout the world in labs studying retrovirus integration and by drug companies trying to develop inhibitors for clinical therapy of patients.

The grant is sponsored by the W. W. Smith Charitable Trust in Newtown Square, Pa. The trust makes grant funds available to scientists in support of basic heart disease, cancer and AIDS research projects. This competitive award brings to \$221,000 the total amount of support provided by the trust to Katzman's laboratory for this research project.

Schreyer Institute seeking plans for innovative courses

Would you like to try problem-based learning, case learning, learning teams or assignments that promote critical reasoning, ethical judgment and problem solving in your courses? Do you want to integrate your research activities with your teaching? The Schreyer Institute for Innovation in Learning will help you develop and apply your ideas as well as evaluate the difference they make in student learning. Proposals for course innovations to run in the fall 1998 semester are due Feb. 15.

In the first three years of its existence, the Schreyer Institute has sponsored more than 100 faculty innovation projects. The institute supports selected proposals with funding for student interns to work with faculty in designing and coordinating new learning experiences and assists with small grants for instructional expenses. In addition, testing and evaluation consultants, and instructional and technological design consultants work one-on-one with faculty. The institute provides training in collaborative learning and team management for your students.

The institute is particularly interested in working with departments and academic units in developing new ideas in general education, interdisciplinary projects and curricular changes.

Please visit the institute's Web site at <http://www.inovb.psu.edu>, where you can go through the "Proposal Workshop," view a prototype proposal and find out how Schreyer Fellows are innovating their classes. For more information and application forms, call (814) 865-8681, e-mail INOV8@psu.edu or apply directly through the Web.

For the Record

In a photo caption on page 17 of the Jan. 15 *Intercom*, "Better Kid Care" was incorrectly described. It is a national satellite training program produced by the College of Agricultural Sciences. The monthly television broadcast is for child care providers in Pennsylvania and across the country.

Sanat Kuman, professor of materials science and engineering, will speak on "Phase Transitions in Thin Polymer Films" at 10 a.m. Tuesday, Jan. 27 in 140 Fenske Laboratory on the University Park campus. The lecture, which ran on page 4 of the Jan. 15 *Intercom*, was rescheduled.

Also in the Jan. 15 issue, the date of the Fourth Annual Technical Service Workshop, sponsored by the Commission for Women, was listed incorrectly. The correct date is Thursday, Feb. 26. For more information, contact Linda Spangler at (814) 865-0277.



Heaping helping

Jerry Wren, a Creamery employee, hands out samples of handmade ice cream during the annual Ice Cream Short Course from Jan. 5-15 at University Park. The course, believed to be the first continuing education course in the nation, is known internationally and has been taken by such ice cream gurus as Ben Cohen, co-founder of Ben & Jerry's Homemade Ice Cream, and representatives from Dairy Queen. Photo: Greg Grieco

Search on for leader at Penn State DuBois

Candidates and nominations for the position of campus executive officer (CEO) for the Penn State DuBois campus, one of the 12 campuses in the University's Commonwealth College, are being sought. The CEO is the chief administrative officer of the campus and is responsible for the well-being of the campus, including the administration of its campus-based and outreach program, as well as for maintaining close relationships with its surrounding communities and within the University structure.

The CEO position was left vacant when Joseph Strasser was named head of the Commonwealth College. Claudia Limbert is currently acting CEO.

Situated in north central Pennsylvania just off Interstate 80 in the city of DuBois, Penn State DuBois has an enrollment of 1,075. More than 70 full- and part-time faculty offer courses leading to 11 associate degrees, including fully accredited programs in PTA, OTA, MET and EET, plus two baccalaureate degrees with a third to be introduced in fall 1998. In addition, the first two years of 180 Penn State baccalaureate programs are available. A wide variety of credit, non-credit and management development courses are offered by the continuing education department. Saturday and evening classes also are offered to serve older students.

Candidates should have an earned doctorate. Substantial experience in academic administration or other high-level administration is required. Please submit a letter of application and resume, and names, addresses (including e-mail if possible) and telephone numbers of three references to: Kenneth E. Varcoe, associate dean, Commonwealth College, 111 Old Main, Department CHDS, University Park, Pa. 16802.

Applications will be accepted until the position is filled. Penn State is an affirmative action/equal opportunity employer. Women and minorities are encouraged to apply. Visit the Website at <http://www.ds.psu.edu>.

PENNSTATE INTERCOM

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312 Old Main, University Park, PA 16802 Phone: (814) 865-7517
Address correction requested

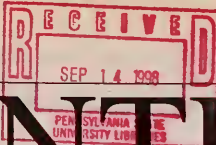
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INTERCOM

January 29, 1998

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Volume 27, Number 18

Two gifts contribute \$7.35 million

Anonymous donor gives \$5 million to engineering

The College of Engineering has received \$5 million from a donor who wishes to remain anonymous. The gift will endow the Department of Chemical Engineering and significantly strengthen its interdisciplinary activities in the life sciences, particularly in the bioprocessing and biomedical areas.

Income from the endowment will fund a faculty chair for a senior professor to provide leadership in the new areas, for undergraduate scholarships and for fellowships for graduate students pursuing biological and biomedical research. The endowment will also support an annual lecture series featuring renowned experts in the chemical engineering/life sciences interface, and laboratories and equipment for new research and instructional activities.

"The discipline of chemical engineering is in transition today," said Larry Duda, head of chemical engineering. "Recently, tremendous strides have been made in understanding biological systems, and chemical engineers will play a dominant role in transferring these new biological discoveries to industry during the next century — just as they did with the petroleum industry in the past. We're elated that the resources from this endowment will move our department into this area much more quickly than we



Anonymous gift

Charles Fiamella (left), Larry Lutz (middle), and Jacy Turner, students in the Department of Chemical Engineering, measure the amount of heat transferred in different materials in a laboratory. These students and many more in the future will benefit from a \$5 million anonymous gift, which will fund a faculty chair, undergraduate scholarships and graduate fellowships.

Photo: Greg Grieco

had anticipated."

The gift will support the trend of science's greatest advances occurring at the borders between different disciplines, noted President Graham Spanier.

"As Penn State prepares for its forthcoming capital campaign, notable gifts such as this will inspire others to help us achieve our goal of significantly increasing the University's endowment, and we are extremely grateful for such generous support," Spanier said.

Engineering Dean David N. Wornley said the high quality of chemical engineering's faculty and programs was instrumental in the donor's decision to make the gift.

Gannett CEO, wife donate \$2.35 million

John Curley, CEO of Gannett Co., publishers of *USA Today*, and his wife, Ann Curley, have made a gift of \$2.35 million to Penn State, directed primarily to the College of Communications. John Curley serves as volunteer chair of the college's forthcoming fund-raising campaign, which is part of a larger University-wide capital campaign.

The Curleys have directed \$2.2 million to the College of Communications, \$100,000 to the Department of Athletics, and \$50,000 for University-wide support through a combined outright and estate gift. Specific designations for the gift have yet to be determined.

The Curleys, residents of Potomac, Md., are graduates of Dickinson College, Carlisle. They became actively involved with Penn State in the late 1980s when then-President Bryce Jordan recruited John Curley to serve on the College of Communications' Board of Visitors, which he continues to chair today. The board conducts an annual review of the college's teaching, research and service to its students and the media professions. In addition, Mr. Curley has supported a number of college activities, including its annual Dollars for Scholars Golf Classic, and as a featured speaker on panels and in lectures.

"Ann and I are pleased to support higher education in our home state of Pennsylvania, both at Dickinson and at Penn State," said Mr. Curley, who was born and reared in Easton, Pa. "We see

See "Gannett" on page 3

New programs to strengthen leadership opportunities

The 1996 Faculty/Staff Survey indicated the importance of good leadership and effective management at the University. As a result of that survey, Penn State is now ready to act on the promise of developing ways to improve communication, respect and professional development at all levels across the University.

This spring, the University will launch Excellence in Leadership and Management, a multi-faceted curriculum that focuses on the goal of "cre-

ating our future through people and performance."

Two initial programs in the curriculum for University employees will address leadership and management issues — The Penn State Leader and Mastering SuperVision. While the programs have the common goal of improving the working environment, the courses differ in key areas.

The Penn State Leader is an eight-hour values-oriented program designed for all employees, regardless of position. The program will

explore leadership values at Penn State and help participants identify and enhance their own leadership styles. It will feature guest speakers and open dialogue. Values emphasized in the program include commitment to diversity and respect for others; teamwork, collaboration and partnerships; personal and professional development; ethics and integrity; quality and quest for excellence; initiative and self-management; creativity and innovation; and critical thinking, judgment and problem solving.

Mastering SuperVision is a 56-hour certificate program that will equip supervisors with a comprehensive set of skills for enhancing individual and organizational performance. The program is delivered by a team of instructors who have demonstrated expertise in their respective content areas at Penn State. Participants will include supervisors, program coordinators, administrative assistants, foremen, assistant managers and others with supervisory responsibilities.

See "Leadership" on page 2

GLAD you asked

To submit a question for this column, please send e-mail to the address listed below. Submissions must include a contact name and telephone number so that Intercom can verify the source. Requests for anonymity will be honored.

Q: Parking on the University Park campus after 5 p.m. is terrible for commuter students. One evening, I arrived on campus at 7 p.m. and tried for 45 minutes to find a spot near Oswald Tower, where I work. I searched the entire block of campus stretching from Shortridge-Curtin/Pollock to Burrows-Curtin/Pollock. This area contains quite a few faculty/staff lots in which I am entitled to park after 5 p.m. Why are parking facilities for students so inadequate? You should build graduate students—who are basically part-time employees of the University—a parking deck.

Doctoral candidate in sociology

A: I am aware of the congestion in central campus during the evening hours. Some lots, such as the one you mentioned near Oswald Tower, do fill. That lot has a capacity of only 24 vehicles. The adjacent lot behind Osmond Building holds 121 vehicles. Student registered vehicles alone account for 8,000 parking spaces. There are an additional 8,955 registered employees trying to access campus during all hours of the day and night. These counts support the fact that the very center of campus will fill in the evening. However, there is always space in either the Nittany Deck or the Eisenhower Deck for evening use. While these locations may not be right next to your classroom, they are available for parking.

The parking facilities for students are in no way inadequate. The commuter lot alone has a capacity of 1,974 vehicles. A minimum of 500 empty spaces exists in that lot at any given time. Even though 2,877 commuter permits were sold for that lot, the high turnover of student vehicles during the day prevents it from filling. In addition, Lot 83 North for student residents maintains approximately 200-300 empty spaces per day. If student lots were located in the center of campus a state of chaos would exist. Student pedestrian safety would be at risk.

A student permit costs \$58 per semester this year. This amounts to approximately \$12 per month. In addition to the parking privileges, a commuting student also receives a Campus Loop bus pass, good on both the Campus and Town Loop buses, at no additional cost. If a student purchases the same pass from CATA, they would pay \$70 per semester but they would not receive a parking pass for campus. As you can see, we provide a subsidized bus service to the students.

Building a parking garage, for student use or anyone's use, would cost \$12,000 per space. An average deck contains approximately 700-900 spaces. Even if the direction of future parking at the University provided for this type of facility, the Parking Office would be forced to charge the current market rates of \$60 to \$70 per month to recover the cost of construction. This means that the people using the facilities must pay for those facilities.

Although a student may not get a desired space, parking is available. Lot 44 is available during the evening and night hours. I recommend that you proceed to those locations where ample parking exists.

Teresa A. Davis, Director of Transportation Services



Excellence in

LEADERSHIP & MANAGEMENT

Programs to strengthen leadership opportunities

continued from page 1

Billie S. Willits, assistant vice president for Human Resources, said the Excellence in Leadership and Management program is being guided by what staff and faculty had to say in the 1996 survey. Results from that survey indicated that it is increasingly important for leaders and managers to provide faculty and staff with the professional development opportunities, informal feedback and other tools they need to excel.

Excellence in Leadership and Management is being coordinated by the Office of Human Resources.

"This program emphasizes the importance of creating a climate in which everyone is respected, teamwork is encouraged, people have the opportunity to develop professionally and quality performance is recognized," said Lenny Pollack, manager of the Human Resource Development Center.

Initial offerings of both programs will be delivered to participants nominated by deans and administrators from across the University.

These new courses will be closely evaluated to make necessary improvements before full-scale implementation in the fall. Both programs will be offered for the next several years and plans are under way for other programs to be offered for managers, directors, deans and executives in the future.

"Because of the benefits of the initiative, the entire cost of the leadership program and 80 percent of the cost for the supervision program is being centrally supported," said Gary Schultz, senior vice president of finance and business/treasurer, who along with John Brighton, executive vice president and

provost, commissioned a University-wide design team to provide overall direction and guidance for Excellence in Leadership and Management.

According to President Graham B. Spanier, Penn State's vision for leadership and management is driven by a genuine desire to help the people that we serve by delivering the highest quality programs and services possible.

"The University is committed to serving the best interests of our students, faculty and staff," Spanier said. "Penn State's commitment to Excellence in Leadership and Management will help all Penn Staters achieve their best in whatever they do—as individuals, as a team, as an institution."

"Excellence in Leadership and Management also is intended to help make Penn State a more satisfying place to work. We all share the responsibility of learning how each of us can help make the University a more humane place to work."

In a survey conducted by the Conference Board, 90 percent of the respondents from companies in *Business Week* 1,000 identified leadership development as one of the three most important types of professional development programs today.

Alumnus Rick Wise, president of ValueNet International Inc., a financial management consulting firm, agrees that Penn State is moving in the right direction.

"Enabling employees to grasp leadership and management ideas is the key to a successful future in what's quickly becoming a whirlwind environment," he said. "Penn State is doing a good job in knowing how to look ahead and not look behind."

Excellence in Leadership & Management

Program offerings for Spring 1998:

Mastering SuperVision

- Audience: Supervisors
- When: Feb. 16-April 30
- Cost: \$115

The Penn State Leader

- Audience: All faculty, staff and technical service
- When: March 24 & 31
- Cost: None

Sports agent bill passes Pennsylvania Senate

A bill requiring sports agents to register and be bonded with the State Athletic Commission was unanimously passed Jan. 21 by the state Senate.

The law would allow the commission to suspend or revoke licenses, impose fines and recover bond proceeds from agents who make an offer or enter into any agreements with student-athletes before college eligibility has expired. To receive a license, agents must not have been involved in conduct within the last 10 years that led to sanctions against an athlete or university.

Movement on this legislation was stepped up recently after a Houston-based sports agent was charged with purchasing clothing for Penn State running back Curtis Enis. Enis was suspended from playing in the Jan. 1 Citrus Bowl and has since declared his eligibility for the National Football League draft in April.

Currently, 27 states have athlete agent laws on the books, but only 17 require agents to register. If Gov. Tom Ridge approves the bill, Pennsylvania will become the 18th.

Big gifts come in during quiet phase of campaign

Gannett

continued from page 1

it as a wise investment in the future of Pennsylvania and the nation."

The Curleys' gift to the Department of Athletics represents their longtime interest in and support of intercollegiate sports at Penn State. They regularly attend football and basketball games, have sponsored Rene's List for women's basketball, and are members of the Nittany Lion Club.

John Curley was named chair of the College of Communications' capital campaign committee last spring. He will serve as the chief volunteer spokesperson for the goals, theme and objectives of the fund-raising initiative, and is enlisting other top volunteers to serve on the committee. He also will provide guidance and leadership to the dean, development staff, and alumni and friends of the college.

With a master's degree in journalism from Columbia University, John Curley joined Arlington, Va.-based Gannett in 1969. He served as editor of the Rochester, N.Y., *Times Union*; as the editor and later as publisher of *The Courier News* in Bridgewater, N.J.; as publisher of the *News-Journal* newspapers in Wilmington, Del.; and, for six years, as head of the Gannett News Service, during which time it won the Pulitzer Prize for Public Service.

As its first editor, he helped launch *USA Today* in September 1982. He worked his way up through the company to become president of its newspaper division in 1983, president and chief operating officer in 1984, CEO in 1986 and chairman in 1989. He has been a member of Gannett's board of directors since 1983.

From 1966-97, Curley served as the elected chairman of the Newspaper Association of America, a non-profit organization representing a \$46 billion newspaper industry and more than 1,500 newspapers in the United States and Canada.

GENEROUS OFFERINGS

Gifts of \$1 million or more since

July 1, 1996

- William and Joan Schreyer — \$30 million for the Schreyer Honors College
- Edward and Helen Hinte — \$5 million for the Alumni Center, graduate fellowships, international studies and other academic programs
- The Eberly Family Foundation — \$5 million for medical research and physician training
- Anonymous donor — \$5 million for a faculty chair, undergraduate scholarships and graduate fellowships in the Department of Chemical Engineering
- Penn State Alumni Association — \$5 million for scholarships, graduate fellowships, teaching awards, and physical plant upgrades
- William and Josephine Berry Weiss — \$4 million for student aid in the colleges of engineering and the liberal arts
- IBM Corp. — \$4 million in computer hardware and software grants, gifts-in-kind, and discounts
- Joe and Sue Paterno — \$3.5 million for professorships, graduate fellowships, scholarships, and the interfaith spiritual center
- William and Wyllis Leonhard — \$2.5 million to recruit outstanding undergraduates (The Leonhard Scholars) to the College of Engineering
- John and Ann Curley — \$2.35 million, directed primarily to the College of Communications
- Edward P. and Barbara Junker — \$2 million to endow the athletics program at Penn State Erie, the Behrend College
- William P. McDowell estate — \$1.5 million for student support at Penn State Shenango
- The Boscov, Lakin and Holzman families — \$1.5 million for the Information Commons at Penn State Berks
- Sloan Foundation — \$1.3 million for the World Campus
- Kay Logan — \$1.1 million to purchase, renovate and furnish Mack Estate (Logan House) at Behrend College
- Jim and Gerda Benson (through the Erie Community Foundation) — \$1 million to support partnerships between Behrend College and Erie-area manufacturers
- Lawrence and Ellen Foster — \$1 million for a communications professorship and a librarianship
- The Whitaker Foundation — \$1 million for graduates studies in biomedical engineering

Former president pledges \$250,000 toward fellowship

Former Penn State President Joab Thomas and his wife, Marly, have committed \$250,000 to endow a new graduate fellowship for the University. When activated, the fellowship will annually provide financial assistance to an outstanding graduate student pursuing teaching and research in any one of Penn State's nearly 150 fields of master's and doctoral studies.

A native of Alabama, Joab Thomas served as Penn State's 15th president from 1990 until his retirement and return to Tuscaloosa, Ala., in 1995.

"I have great interest in both undergraduate and graduate education, and graduate students are in particular need of increased support at this time," Thomas said. "As a whole, graduate education at Penn State is growing in importance and needs attention. I wanted to give it a boost as a way to create additional momentum for the forthcoming capital campaign."

In designing their gift, the Thomases have given Penn State's Graduate School the flexibility to award the fellowship where the need is greatest, regardless of the academic field.

"It means a great deal to us to receive such a generous gift from two people who know and love Penn State so much, and who are so well regarded by the entire Penn State family," said President Graham Spanier. "Emphasizing teaching while strengthening the University's research leadership was a hallmark of Joab's tenure here, and this gift perfectly addresses these related needs."

Arriving in a time of tight budgets for higher education, Thomas established the Future Committee process. He also identified the need for classrooms, libraries, offices and research facilities as a challenge and moved quickly to put in place a five-year plan for new and improved facilities. What followed was a comprehensive building program of more than 100 new and remodeled building projects at Penn State campuses across the state.

"I am very fortunate to be a director with Mellon Bank, which establishes life insurance policies for its directors," Thomas said. "By naming Penn State as the beneficiary of that policy, as well as making contributions on my own, I have been afforded the opportunity to make a gift beyond my normal means."

Joab Thomas is also a director with Lukens Inc. and a former director with Blount Inc. He is active as a volunteer with several organizations in Tuscaloosa, including a hospice and the local University of Alabama campus arboretum.

A biology graduate at the bachelor's, master's and Ph.D. level of Harvard University and a botanist by training, he taught at Harvard and the University of Alabama early in his professional life. He later served as chancellor at North Carolina State University and as president of the University of Alabama's Tuscaloosa campus before joining Penn State.

Marly Thomas was born in Idaho. She earned her bachelor's degree in English literature from Radcliffe College and her master's degree in elementary education from Harvard University. At Penn State, she served on the Libraries Development Advisory Board and with the Friends of the Palmer Museum of Art. She is a former grade school teacher, and has been active with such organizations as the American Red Cross, United Way, the West Alabama Chamber of Commerce and the National Association of State Universities and Land Grant Colleges.

The Thomases were named honorary alumni of Penn State in 1995. They have four children.

Student-athletes continue trend of high academic performance

A summary of academic performance for the fall semester reveals that 113 student-athletes posted a grade point average of 3.5 or higher, athletic director Tim Curley said. The list included four athletic team members who had perfect 4.0 averages.

For the semester just concluded, Curley said that a total of 365 student-athletes had a GPA of 3.0 or above.

There are approximately 800 young men and women who are participants in Penn State's 29 varsity sports.

"We are delighted with this academic performance by our athletes," Curley said. "It is a credit to the great work of the young people and to the encouragement they've received from our faculty, academic support personnel and coaches."

An NCAA survey released last June showed that Penn State had a significantly higher student-athlete graduation rate than the average NCAA institution nationally. Penn State student-athletes in the survey group (the entering class of 1990-91) had a graduation rate of 81 percent, compared to 58 percent for NCAA institutions across the country.

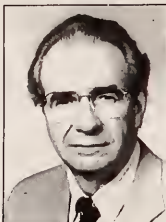
The survey also found that student-athletes on the University Park campus outperformed other Penn State undergraduates by three percentage points. According to the survey, 78 percent was the average six-year graduation rate for all Penn State students in the class of 1990-91.

LECTURES

"Genetics of Human Behavior" examined

"The Human Brain and the Human Mind" is the topic of the spring semester 1998 Penn State Lectures on the Frontiers of Science. Designed for the enjoyment and education of central Pennsylvania residents, the free lectures take place on eight consecutive Saturday mornings from 11 a.m. to about 12:30 p.m. in the Kern Graduate Center auditorium on the University Park campus.

"Genetics of Human Behavior" is the title of the fourth lecture in the series, which will begin on Jan. 31, by Gerald E. McClearn, Evan Pugh professor of health and human development and director of the Penn State Center for Developmental and Health Genetics.



GERALD E. MCCLERN



McClearn's recent research has concerned the relative roles of genetic and environmental factors in the huge differences that exist among people in the rates and patterns of aging.

During his lecture, which he will illustrate with results from his study of elderly Swedish twins, McClearn will present the concept that genes and environment must be viewed as complementary, rather than alternative, factors that influence intellectual capabilities during aging.

The Penn State Lectures on the Frontiers of Science are sponsored by the Penn State Eberly College of Science.

For more information about this or upcoming lectures in this series, call (814) 865-8453 or visit the Web at <http://www.science.psu.edu/>.

"Behrend Reads!" night to be Feb. 4

Members of the creative writing faculty at Penn State Erie, Behrend College, will read from their works at the college's third annual "Behrend Reads!" at 7:30 p.m. Wednesday, Feb. 4, in the college's Studio Theatre. Published authors of fiction, poetry and creative non-fiction will come together in this celebration of creative writing on campus. Their presentation continues the 1997-98 Creative Writers Speaker Series.

Featured writers and readers include Pulitzer Prize nominee Diana Hume George, professor of English and women's studies and co-director of the creative writing program. Alan Michael Parker, assistant professor of English and creative writing, will read from his recently published collection of poetry, *Days Like Prose*, which was named a "Notable Book from 1997" by the National Book Critics Circle. Melissa Bender, lecturer of English and coordinator of women's/gender studies, will read from her short stories and poetry, which have appeared in a variety of publications. Yesho Attil, assistant professor of English, will read from her poetry and fiction.

"Behrend Reads!" is free to the public. For more information, call (814) 898-6108.

Spring colloquia to focus on numerous aspects of aging

The Gerontology Center at Penn State and the Geriatric Education Center of Pennsylvania are co-sponsoring a spring colloquia on a number of topics relating to aging. The spring 1998 colloquium schedule follows. All talks will be held in the Living Center, Room 110 Henderson Building on the University Park campus, on Wednesdays from 4-5 p.m., unless otherwise noted.

■ Feb. 4: "Falls and Functional Independence Among Older Adults: A Social Cognitive Perspective," Shannon Mihalko, assistant professor of kinesiology, Penn State;

■ Feb. 11: "Risk Factors for Unsafe Driving Among Elderly Adults," George Rebok, Johns Hopkins University, School of Hygiene and Public Health, Baltimore;

■ Feb. 18: "Failure to Regulate Food Intake and Body Weight with Age," Rebecca Corwin, assistant professor of ingestive behavior, Department of Nutrition, Penn State;

■ Feb. 25: "The Emerging Role of Physical Activity in Preventive Gerontology," Douglas R. Seals, professor, human cardiovascular research laboratory, Center for Physical Activity, Disease Prevention and Aging, University of Colorado at Boulder, Colo.;

■ March 4: "Facilitating Mobility of Travelers with Special Needs Using Intelligent Transportation Systems," Paul F. Jovanis, department head of civil and environmental engineering, Penn State;

■ March 18: "Enhancing Quality of Life for Nursing Home Residents

with Dementia: Program Evaluation and Implementation," Kimberly S. Van Haisma, staff trainer for nursing and social service staff, Philadelphia Geriatric Center, faculty for Summer Series on Aging, American Society on Aging, Philadelphia;

■ March 25: "Correlates and Sequelae of Exchange Between Generations: Interfamilial Differences in Intrafamilial Support," Adam Davey, assistant professor, Department of Child and Family Development, University of Georgia, Athens, Ga.;

■ April 1: "Do Good Nursing Homes Achieve Good Resident Outcomes? Project Overview," Diane Brannon, head and professor of health policy and administration, Penn State;

■ April 8: "Do Good Nursing Homes Achieve Good Resident Outcomes? Preliminary Finding," panel discussion with Vincent Mor, professor and chair of Department of Community Medicine and director of the Center for Gerontology and Health Care Research, Brown University, Providence, R.I.; Jackie Zinn, associate professor of health policy and management, Temple University; Diane Brannon, head and professor of health policy and administration, Penn State;

■ April 15: "Unraveling the Mystery of Disability in the Oldest Old," Elia Femia, project coordinator, adult day care study, Penn State and;

■ April 22: On a topic to be announced, Caryn Goodman, research associate, The Lighthouse Inc., New York, N.Y.

Physics colloquia to be held February through April

The Department of Physics is holding a free colloquium series during spring. Unless noted otherwise, all colloquia — which are open to the public — will begin at 3:30 p.m. Thursdays in 101 Osmond Laboratory on the University Park campus. Refreshments will be served at 3 p.m. in the Davey/Osmond Overpass. More information can be obtained by calling Tammy Accordino at (814) 865-7534 or sending e-mail to tammy@phys.psu.edu

■ Feb. 5: Professor David Campbell, University of Illinois, will discuss "Nonlinear Science: From Paradigms to Practicalities."

■ Feb. 11 and 12: Distinguished Materials Physics Lectures by Donald Eigler from IBM, Almaden Research Center. On Feb. 11, Eigler will discuss "Atoms Where You Want Them" room and time will be announced. On Feb. 12 at 3:30 p.m., Eigler will discuss "Atomic Scale Perspective of Condensed Matter Science: A New View from a Cold STM," in 101 Osmond Lab.

■ Feb. 19: Anthony Johnson, New Jersey Institute of Technology, will talk about "Ultrafast Optical Phenomena."

■ Feb. 26: To be announced.

■ March 5: Professor Rainer Weiss from MIT will discuss "Gravitational Waves Detection."

■ March 26: To be announced.

■ April 2 and 3: Mueller Lecture featuring Akira Tonomura from the Hitachi Research Laboratory. On April 2 at 8 p.m. in 104 Keller Building, Tonomura will focus his talk on "The Microscopic World Unveiled by Electron Waves." On April 3 at 11 a.m. in SS Osmond Laboratory, "Real-Time Observation of Magnetic Vortices in Superconductors Using Electron Waves," will be the topic.

■ April 9: Whitfield Lecture with Professor A.L. Fetter, Stanford University. Fetter will discuss "Bose-Einstein Condensation in a Trap."

■ April 16: Professor John Clarke from the University of California, Berkeley, will talk on a topic to be announced.

■ April 20, 21, 22 and 23: The Marker Lectures featuring Professor Douglas Osheroff of Stanford University — April 20, 8 p.m., 112 Kern Building, "The Discovery," April 21, 3pm, 101 Osmond Laboratory, "The Next Three Years," April 22, 3 p.m., SS Osmond Laboratory, "Nuclear Spin Ordering in Solid ³He: A Model Magnetic System;" and April 23, 3 p.m., 101 Osmond Laboratory, "The Importance of Interactions Between Active Defects in Glasses at Low T."

■ April 29: John Schwarz from Caltech will talk about "The Second Superstring Revolution."

■ April 30: Professor Michael Peskin, Stanford University/SLAC, "Superspectroscopy: The Next Frontier in Elementary Particle Physics."

More Lectures

Land-grant universities' future course topic of forum

C. Peter Magrath, president of the National Association of State Universities and Land-Grant Colleges (NASULGC), will present "The Kellogg Commission: Charting the Future of the Land-Grant University in the 21st Century," at the Penn State Forum from 11:30 a.m. to 1 p.m. on Thursday, Feb. 5, in The Nittany Lion Inn Ballroom.

In 1992, Magrath assumed the presidency of NASULGC, the nation's oldest higher education association. Magrath represents member institutions on national education issues in Washington, D.C., and around the country. A political scientist with a Ph.D. from Cornell University, he is the past president of the University of Missouri System, the University of Minnesota and the State University of New York at Bingham-



C. PETER MAGRATH



ton, and served on the Commission on the Future of the National Science Foundation.

Magrath's presentation will focus on the need for land-grant universities to adapt to changing circumstances and seek opportunities to put the knowledge of universities into service for the public.

The Penn State Forum is a luncheon speakers series sponsored by the Penn State Faculty Staff Club and the Penn State Bookstore. Tickets are \$10 and include lunch. Tables of 10 may be reserved in advance and tickets will be sold at the door on a first-come, first-served basis. Lunch begins at 11:30

a.m., followed by the presentation at noon. For more information, call (814) 865-7590.

Jewish Experience Project events set

Penn State Berks has a variety of events planned as part of "The Modern Jewish Experience Project." All events are free to the public.

Scheduled events are:

■ Sunday, Feb. 8, 1-3 p.m.: Public reception for the Arie Galles exhibition "Fourteen Stations: A Journey in Progress," Freyberger Gallery, Perkins Student Center.

■ Monday, Feb. 9, 1-2:15 p.m.: Lecture by Arie Galles, artist exhibiting "Fourteen Stations: A Journey in Progress," Perkins Student Center Theatre.

■ Wednesday, Feb. 11: Poetry reading on the Holocaust by Michael Riley, associate professor of English, 7:30 p.m., and concert by the Old

World Folk Band, 8 p.m., both in the Perkins Student Center.

■ Tuesday, Feb. 17, noon-1 p.m.: Director's talk on Arie Galles exhibit "Fourteen Stations: A Journey in Progress," Freyberger Gallery, Perkins Student Center.

■ Monday, Feb. 23, noon-1 p.m.: Lecture on "One Day in a Death Camp" by Margit Colomb, visiting scholar from Israel, Freyberger Gallery, Perkins Student Center.

■ Thursday, April 30, 6 p.m.: Lecture on "Jewish and Christian Interpretations of Eve: Genesis 1-4" by Rochelle Milner, associate professor at Wittenberg University, Forum Room, Perkins Student Center.

CQI expo to be held at Penn Stater

"Integrating Quality: Building Blocks for Excellence," a conference and team expo that will bring together people from colleges and universities to share their experiences with continuous quality improvement on many levels, will be held on April 21-22, at The Penn Stater Conference Center Hotel and The Nittany Lion Inn, University Park. The conference is sponsored by Penn State's Continuing Education, the Center for Quality and Planning, the University Council on Continuous Quality Improvement and the stu-

dent chapter of the American Society for Quality. Sessions will emphasize leadership's role in gaining institutional support for quality initiatives, data-driven decision making and creating an environment for teams. David Ward, chancellor at the University of Wisconsin-Madison, will present the plenary address.

For more information or to register, call (814) 863-5120, e-mail: Conferencelnfo@cde.psu.edu or visit the Web site at <http://www.cde.psu.edu/C&I/QualityC&E>.

Proposed bankruptcy code changes explored Feb. 5-6

Bankruptcy experts from around the country will converge on The Dickinson School of Law on Feb. 5 and 6 to discuss proposed changes to the United States bankruptcy code.

A major symposium, "The National Bankruptcy Review Commission Report: A Commentary on the Proposed Changes," will be sponsored by the Dickinson Law Review and will feature a comprehensive review of changes proposed by an October report of the Bankruptcy Review Commission.

Pennsylvania attorneys will be able to receive seven hours of substantive continuing legal education credit from the symposium.

Symposium speakers, among the nations leading bankruptcy scholars and practitioners, will include the Hon. Ray Graves, bankruptcy judge from the Eastern District of Michigan, and the Hon. George W. Gekas, the Pennsylvania congressman who chairs the House subcommittee with jurisdiction over bankruptcy. Gekas and his staff are drafting legislation in response to the report that is expected to be introduced in early February.

For more information on the symposium and the various other speakers it will include, call the communications office at (717) 240-5202. For information on CLE credit, call (717) 241-3520.

Students in crisis to be discussed Feb. 6

"Recognizing and Referring Students in Crisis" will be the topic of the next Division of Undergraduate Studies brown-bag lunch, noon to 1 p.m. Friday, Feb. 6, in 305 HUB on the University Park campus. The discussion will be led by Joyce Illfelder-Kaye, associate director, Counseling and Psychological Services (CAPS), and Jennifer Harp, pre-doctoral intern in psychological psychology.

The discussion is open to all Penn State faculty and staff. For more information, call Laura Brown, 205 Gering Building, at (814) 865-7576 or e-mail lsb7@psu.edu.

Discover how racial conceptions are formed Feb. 9

Nado Aveling, lecturer in education at Murdoch University, Perth, Australia, will discuss "Australian Aborigines and the 'Construction of Race': Some Lessons for Educators, Sociologists and Just About Everyone Else," at 3:45 p.m. Monday, Feb. 9, in the Paul Robeson Cultural Center Conference Room on the University Park campus.

Aveling's research and writing parallel her teaching focus: Aboriginal, multicultural and gender education and sociology. The accent of this seminar is on how people, and especially adolescents, construct their racial conceptions — how white Australians come to image Aborigines.

The seminar, which is open to the public, is co-sponsored by the Australia-New Zealand Studies Center, the University Office of International Programs, the Multicultural Resource Center and the Department of Women's Studies. For more information, contact Patricia Corbett at (814) 863-1603 or e-mail pac@psu.edu.

Hazleton literature talks continue Feb. 16

Penn State Hazleton's literature discussion series "Great Books at Highcares" will continue with three installments scheduled for this spring.

Established last September, "Great Books" is a free program in which participants read a predetermined book and then meet to share their thoughts and ideas. Sponsored by Barnes and Noble Penn State Bookstores, each one-hour session is held in Chestnut Cottage and hosted by a Penn State Hazleton faculty or staff member. An informal reception with light refreshments follows each discussion.

The schedule for this semester follows:

■ Monday, Feb. 16, 7 p.m.: "One Flew Over the Cuckoo's Nest" by Ken Kesey, hosted by Carol Ellis, lecturer in English.

■ Monday, March 16, 7 p.m.: "Dubliners" by James Joyce, hosted by Judy O'Donnell, advising center coordinator, and

■ Monday, April 20, 7 p.m.: "Ethan Frome" by Edith Wharton, hosted by Alan Price, professor of English.

For more information about "Great Books at Highcares," call (717) 450-3102.

Spring colloquia to cover work, gender and family

The Department of Labor Studies and Industrial Relations is sponsoring a spring colloquia on work, gender and family issues on the University Park campus from 3:30 to 5 p.m. on the dates noted below:

■ Friday, March 16: Nancy Folbre, professor of economics at the University of Massachusetts-Amherst, will talk on "Some Call it Capital: Altruism, Trust and the Production of Human Capabilities," in 124 Sparks Building.

■ Friday, March 27: Phyllis Moen, professor of sociology and director of the Careers and Life Course Center, and Shin-Kap Han, a doctoral student in the Department of Sociology at Cornell University, will talk about "Interlocking Careers: Pathways through Work and Family for Men and Women," in 124 Sparks Building.

■ Toby Parcell, professor of sociology and associate dean, College of Social and Behavioral Science at The Ohio State University, will discuss "From Welfare to Work: Implications for Children in the 21st Century." The location of this lecture has not been set.

For more information, contact Amy Dietz at (814) 865-5425.

BLACK HISTORY MONTH

Black History Month is an observance held during the month of February commemorating the past and present achievements of African Americans. Penn State sponsors a series of events for the campus/community throughout the month of February. Scheduled events to date follow:

ALTOONA

■ **African-American Film Festival**
Penn State Altoona, in conjunction with the African-American Heritage Project of Blair County, will be presenting a film series to celebrate the history of African-American culture.

February's film will showcase the life of Bessie Smith and other blues and jazz performers; the film for March will be announced at a later time. Film showing dates are Feb. 19 and March 19.

The films are being held in conjunction with The History of Rock-and-Koll, a three-credit course being taught this semester at Penn State Altoona by Jerry Zolten, which showcases the cultural roots of American music. The film series also kicks off events and promotions for the Fourth Annual African-American Heritage Festival, which will be held Saturday, Aug. 29, at Penn State Altoona.

The films will be shown at 7 p.m. in the movie theater of the Altoona Railroaders Memorial Museum, 1300 9th Ave. The new state-of-the-art theater seats 65, and admission is free. For more information, please call (814) 949-5281.

ABINGTON COLLEGE

■ Scheduled for 11:50 a.m. to 1 p.m. Wednesday, Feb. 4, is "Yorubaland: The Art and Culture of Western Nigeria," presented by Harriet B. Schiffer in 112 Woodland.

■ On Tuesday, Feb. 10, at 12:15 to 1 p.m., a program from Jasiri, a two-time Apollo winner, Jasiri presents rhythmic theatre poetry filled with details of average people's views on the way the world affects them. To be held in 112 Woodland.

BEAVER

All events are free to the public.

■ Tap Team Two & Company Inc., will present an innovative performance of dance at 7:30 p.m. Wednesday, Feb. 4, in the Study Learning Center auditorium. The dance troupe features the old form of hoofing (street tap dancing) brought anew with scuffs and bites.

■ The five-piece jazz group INSYNK will present a concert at 7:30 p.m. Wednesday, Feb. 11, in the Study Learning Center auditorium.

■ The popular lecture circuit and television duo Lawrence Graham



In memory

Jennifer Koszarsky, a member of the Our Lady of Victory Westminster Handbell Choir in State College, played the bells during a bell-ringing service in memory of Martin Luther King Jr. Jan. 19 at Old Main on the University Park campus. Many campuses had events in January to honor King. In February, there are a variety of events scheduled to mark Black History Month.

Photo: Greg Grieco

and Betsy Hart will present Affirmative Action Debate at 7:30 p.m. Wednesday, Feb. 25, in the Study Learning Center auditorium. Graham and Hart will offer opposing perspectives: An African American, liberal man who worked in the Carter White House and a white conservative woman who worked in the Reagan White House.

■ The Curtis Lewis & Friends Choir from Aliquippa's Church will perform at 8 p.m. Thursday, Feb. 26, in the Study Learning Center auditorium.

For more information, please call (412) 773-3953.

BEHREND COLLEGE

■ Renowned anthropologist, literary critic and linguist Ivan Van Sertima will speak at 7:30 p.m. Tuesday, Feb. 10, in the Reed Union Building Commons. His presentation is titled "Blacks in Science: Ancient and Modern."

BERKS

■ Penn State Berks presents "Sisters with Voices," a live concert on Monday, Feb. 2, at 1 p.m. in the Perkins Student Center Theatre. From gospel

to blues to jazz, the group features the music of such artists as Billie Holiday, Aretha Franklin, Tina Turner and many other matriarchs of Afro-American music past and present. Admission is free.

DELAWARE COUNTY

■ Wednesday, Feb. 4, 12:30 p.m.: Local actors will illuminate the trials, tribulations and triumphs of a people across the African diaspora, through a dramatic presentation titled "Selected Scenes from the Life of a People." In the Student Lounge of the Main Building.

■ Wednesday, Feb. 11, 12:30 p.m.: Valeria Harvell, professor of black studies at Penn State Abington, will broach topics as they relate to multiculturalism, political correctness, leadership and the legacy of the civil rights movement in her presentation, "From Whence We've Come." In the Large Conference Room of the Commons Building.

■ Wednesday, Feb. 18, 12:30 p.m.: In the program "Voices of Inspiration," the Black Student League will entertain with songs from various forms of African American music.

■ Friday, Feb. 27, 12:30 p.m.: The Black Student League will host the "Community Feast and Fashion Show." A variety of dishes with origins in the African and African-American communities will be served and contemporary and traditional ethnic fashions will be modeled. In the Student Lounge of the Main Building.

For more information contact (610) 892-1202.

HAZLETON

■ Penn State Hazleton will host a presentation of "A Dream to Fly: The Bessie Coleman Story" by Madeline McCray on Tuesday, Feb. 3, at 7 p.m. in room 1 of the Kostos Building. This one-woman performance is free.

The event examines the life of Bessie Mae Coleman, or "Queen Bess," a pioneer, aviator, sky diver and visionary, who was born in 1892 in Atlanta, Texas. She became the first black male or female to receive an international pilot's license; two years before Amelia Earhart did so.

For more information, contact Penn State Hazleton at (717) 450-3179.

MONT ALTO

■ Through Feb. 27: An exhibit of portraits by Wendy Allen — "An Increased Devotion: Portraits of Lincoln," in the Library.

■ Feb. 5: Gabor Boritt, civil scholar and professor at Gettysburg College, will present "Quoting Mr. Lincoln" at 4 p.m., Library.

■ Feb. 10: Jazz saxophonist Alfonso Blackwell will perform at 8 p.m. in the General Studies Auditorium.

■ Feb. 24: Richard Fields, classical pianist, will perform at 8 p.m. in the General Studies Auditorium.

HARRISBURG

■ On Feb. 17 at 7 p.m., the college will host Victor Vega, associate professor of human development and adjunct professor of African American studies at Middlesex College in Edison, N.J. Vega uses the historical experiences of both the African and Latino cultures in order to advance practical, technical and emancipatory knowledge and development. Vega is also the founder and executive officer of the National Latino African Federation, a leadership vehicle for higher education alumni and students. His appearance in the Penn State Harrisburg Capital Union Building is free.

■ Richard Fields, the American prize winner of the Viotti International Piano Competition in Italy, comes to the Gallery Lounge for a free concert of "musical perspectives of Black History Month" at noon, Monday, Feb. 23.

BLACK HISTORY MONTH

Events

continued from page 6

NEW KENSINGTON

■ Feb. 1 - 28: Student and Faculty Art Exhibit in the art gallery of the Pittsburgh High School for the Performing Arts. Hours are Monday-Friday, 10 a.m.-8 p.m.; Saturday and Sunday, noon-5 p.m.

■ Wednesday, Feb. 4: African American Read-In Chain, 11 a.m.-1 p.m., Theater Lobby—Faculty, staff and students may participate in this event by reading works by African American writers.

■ Wednesday, Feb. 18: "I Am That I Am: Woman, Black" featuring Adilah Barnes, an actress who has appeared in movies, on television and stage, 12:30 p.m. in the Forum Theater. Barnes' nationally touring one-woman show honors African American women through a journey into the lives of seven African American women. Barnes concludes her show with a post-performance audience discussion.

■ Wednesday, Feb. 25: The film "The Tuskegee Airmen" featuring Lawrence Fishburne, Malcolm-Jamal Warner and John Lithgow, will be shown at 1:15 p.m. in the Cat's Pause Cafe.

PENN COLLEGE

The Pennsylvania College of Technology will be marking February as Black History Month with a number of movies and performances. The observance is coordinated by Student Activities.

■ Movies to be shown include:

- "A Raisin in the Sun," Tuesday, Feb. 3, at 9 p.m.;
- "Get on the Bus," Thursday, Feb. 12, at 2 p.m., 7 p.m., and 9 p.m.; and
- "Rosewood," Thursday, Feb. 26, at 2 p.m., 7 p.m. and 9 p.m.

The movies will be shown in Penn's Inn in the Alvin C. Bush Campus Center.

■ On Thursday, Feb. 5, at 7 p.m., Victor Vega will address the audience in the George S. Klump Academic Center Auditorium. Vega uses the historical experiences of both the African and Latino cultures in order to advance practical, technical and emancipatory knowledge and development. Vega is a

tenured associate professor of human development and adjunct professor of African American studies at Middlesex College in Edison, N.J.

■ The reggae band "One People" will perform on Friday, Feb. 6, at 9 p.m., in the Campus Center's Penn's Inn.

■ Wednesday, Feb. 18: "WorldColor," an ensemble featuring a flutist, guitarist and actress/singer, will perform in the Academic Center Auditorium at 8 p.m.

■ The only African American improv comedy troupe in the country, "Oul Be Negroes," will perform on Thursday, Feb. 19, at 8 p.m. in the Academic Center Auditorium.

All activities are free to the public, except for the reggae band performance. For that event, individuals need to be pay an admission fee of \$3 and be accompanied by a Penn College student. For more information on Penn College's observance of Black History Month, contact Student Activities at (717) 327-4763.

SHENANGO

■ Thursday, Feb. 19, at 7 p.m.: Adilah Barnes (Theatre) Shenango Auditorium

■ Friday, Feb. 27, 7 p.m.: African American Art Show Competition, Shenango Forum.

UNIVERSITY PARK

■ Debra L. Lee, president and chief operating officer of Black Entertainment Television (BET) Holdings Inc., will speak at 5 p.m. Tuesday, Feb. 3, in Ballrooms D & E of The Nittany Lion Inn. The United Soul Ensemble will also offer a special performance. This event is co-sponsored by The Smeal College of Business Administration and the College of Communications.

■ Saturday, Feb. 7, 8 p.m.: The Mings Big Band will perform interpretations of the diverse musical legacy of the late, great bassist and composer Charles Mingus. This event is presented by The Center for the Performing Arts. For tickets or more information, call (814) 863-0255.

■ Monday, Feb. 9: The Department of African and African American Studies will sponsor a talk by sociologist Colin Beckles, assistant professor at Washington State University, on "PanAfrican Sites

of Resistance: Black Bookstores, Cyberspace and Beyond." Beckles will discuss his UCLA doctoral research on the political, cultural and social functions of these bookstores and his fieldwork as a participant-observer in world renowned stores located in Kingston, London and Los Angeles. He also will examine the role of the Internet in the development of ethnic, multiethnic and ethnic-supremacist communities of consciousness. This presentation will be a brown-bag seminar from 11:15 a.m.-1:10 p.m. in 119 Osmond Laboratory. For more information, contact (814) 863-4243.

Beckles is currently finishing a book for Sage Press titled *Cyber Race Wars: Race and Power in Cyberspace*.

■ Saturday, Feb. 14, 8 p.m.: Street Sounds, an a cappella quintet, will perform traditional and contemporary songs embodying the influence of African music on the world. Street Sounds also will be in residence before the performance for a variety of educational and outreach activities. This event is presented by The Center for the Performing Arts. For tickets or more information, call (814) 863-0255.

■ The Penn State Minority Engineering Program will be sponsoring the annual Multicultural Day on Feb. 16. Faculty, staff and students bring their favorite ethnic dish to Kunkle Lounge (between Hammond and Sackett) from noon to 1 p.m. Contact Roni Franke at rdo@engr.psu.edu to RSVP.

■ Eighth Annual Malcolm X Lecture on Feb. 18 featuring William Sales, head of African American studies at Seton Hall University and author of the book *From Civil Rights to Black Liberation: Malcolm X and the Organization of Afro-American Unity*. The talk, sponsored by the Center for Ethics and Religious Affairs and the Black Caucus, will begin at 7:30 p.m. in the Paul Robeson Cultural Center.

WILKES-BARRE

■ Penn State Wilkes-Barre will present The Nommo Performing Arts Company on Monday, Feb. 16, at 7 p.m. in Hayfield House. The Nommo players, made up of more than 30 Penn State students, will present an hourlong, free performance of images from traditional African and contemporary African American life, integrating the art forms of dance, theatre and music.

■ Outreach

Telehealth to make health monitoring easier for diabetics

Diabetics in the Philadelphia area will be able to provide their blood sugar levels, pulse measurement and temperature directly from their homes to home health care nurses in their offices with the help of an innovative technology called Telehealth.

A new, 24-month Penn State research project will evaluate the use of the technology as a supplement to ongoing home health visits for people with diabetes. Nationally, diabetes accounts for almost 15 percent of the nation's health care costs and affects 8.4 million people in the United States; in the Philadelphia metro area, more than 200,000 people have diabetes.

The home health research project is funded in part by a grant of \$603,610 from the Telecommunications and Information Infrastructure Assistance Program, U.S. Department of Commerce. It will be led by Kathryn Dansky, assistant professor of health

policy and administration in the College of Health and Human Development.

The University will partner with the Visiting Nurse Association of Greater Philadelphia for the evaluation. While there is increasing use of telecommunications technology in health care, it has been slow to move into home care, the fastest growing sector of the health care industry, according to Dansky. The Telehealth technology will allow the Philadelphia Visiting Nurse Association to engage in interactive video, voice and data communications with 200 to 250 of their clients using patient stations which will be placed in the home for 60 days.

The Telehealth system captures and transmits vital medical data while providing remote visual and aural interactive assessment of the patient. The nurse station will allow for direct communication with the patient and will display vital sign readings. Nurses can transmit videos or teach patients

about self-care through the system. The system will be used in addition to actual home visits; researchers will then compare outcomes for Telehealth patients and traditional home health patients.

Co-investigator on the Telehealth project is Dennis Shea, associate professor of health policy and administration. Shea will evaluate the cost-effectiveness of the technology. Paul Hallacher, director of program development at the Research and Technology Transfer Organization, will manage a workshop on technology transfer as part of the project to help other health care organizations acquire and use similar technology. The project continues through September 1999.

The grant is part of \$20.9 million in federal matching grants awarded by the Department of Commerce at the end of September to bring the benefits of technology to Americans living in rural and underserved inner city areas. The federal funds will be matched locally.

ARTS & ENTERTAINMENT

AT PENN STATE



Setting up

Richard Hall, exhibition preparator, right, and assistant Julie Lewis put the finishing touches on the exhibit "All That is Glorious Around Us: Paintings from the Hudson River School." Included in the installation is a period room recreating a 19th century domestic interior, which allows visitors to view the artwork in a historically appropriate setting. The exhibit will be on display at the Palmer Museum of Art on the University Park campus through May 17.

Photo: Greg Grieco

Bassoon recital

Darryl Durran, associate professor of bassoon, will present a free recital at 4 p.m. Sunday, Feb. 1, in the School of Music Recital Hall on the University Park campus.

Durran will be accompanied by pianist Ann Deighton, instructor of music; violist Timothy Deighton, assistant professor of music; and cellist Stephen Feldman, visiting instructor of music. Also performing are Nesrine Balbeisi, viola; and members of the Penn State Bassoon Studio: Aaron Datsko, Stacey Poorman and Matthew Schell. Dennis Glocke, associate professor of music, will narrate.

Trumpet recital

John Daniel, associate professor of music, will present a free trumpet recital at 8 p.m. Monday, Feb. 2, in the School of Music Recital Hall on the University Park campus.

Daniel will be accompanied on piano by Marylene Dosse, professor of music.

Horn recital

Members of Penn State's French horn studio will present a free recital at 8 p.m. Wednesday, Feb. 4, in the School of Music Recital Hall on the University Park campus.

Kathryn Lehr, Erin Stach, Katye

Clogg, Carla McDonald, Jaime Thorne and Lara Buchko, horn students of Lisa O. Bontrager, associate professor of music, will perform works for solo horn and piano accompaniment.

Bach's Lunch

The Penn State Clarinet Choir, directed by Smith Toulson, professor of music, will perform for the Bach's Lunch concert series at 12:10 p.m. Thursday, Feb. 5, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Clarinet Choir consists of Joshua Gray, Athena Yeager, Daniel Eichenbaum, Beth Gibbs, Robert Hickey, Jennifer Namey and Julie Niklaus. All are from Toulson's clarinet studio and are students in the School of Music. The group will perform both original and arranged works.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Vanbrugh Quartet

The College of Arts and Architecture and the Center for the Performing Arts will present a performance by the Vanbrugh Quartet at 3 p.m. Sunday, Feb. 15, in Schwab Auditorium on the University Park campus. The performance is a gift to the local and regional community, expressing appreciation for support of the arts at Penn State.

As the Vanbrugh Quartet enters its second decade, it is firmly established as one of Europe's finest and most successful chamber ensembles. The quartet has released seven compact discs, and they perform more than 100 concerts each season in more than 20 countries throughout the world. Recently, the members were awarded the National Entertainment Award in recognition of their services to music in Ireland.

The Vanbrugh Quartet will perform a program of classics and more contemporary compositions.

For tickets, call (814) 863-0255.



BRYCE JORDAN CENTER

Globetrotters return

The Harlem Globetrotters will return to The Bryce Jordan Center at 7:30 p.m. Tuesday, Feb. 24. Tickets are \$21.50 and \$15 for reserved seating. Gold Circle seating also is available. For the \$15 tickets, there is a \$2 discount for children (12 years old and younger) and senior citizens (60 years old and over). There will also be a \$3 discount for Penn State faculty and staff with I.D. Penn State students may purchase the \$15 tickets at half-price with I.D. There is a limit of two tickets per Penn State I.D. Group rates are available by calling (814) 863-1812.

The Penn State Dance Marathon Four Diamonds Fund will receive \$1 from every ticket sold.

For more than 70 years, the "Magicians of Basketball" have entertained more than 100 million fans in 114 countries while bringing innovations and their spirit of goodwill to the game. The Harlem Globetrotters recently reached another milestone by playing in their 20,000th game, pushing their record to an amazing 19,668-332. The show will feature skyrocketing slam dunks, (two of the current Globetrotters hold the world record in the vertical slam-dunk at a stratospheric height of 12 feet), outrageous comedy skits, team mascot Globie, theatrical lighting and special effects, and more.

Bolshoi Ballet coming

After numerous performances in various parts of the world, from Russia, comes the world renowned ballet company, The Bolshoi Ballet, performing at The Bryce Jordan Center at 7:30 p.m. Wednesday, April 8. Tickets are \$50 and \$25 for reserved seating. Limited Gold Circle seating also is available.

"Bolshoi," the Russian word for "big," certainly defines the Bolshoi Ballet. With more than 200 years of history, it is a company numbering in excess of 200 artists with a huge school to provide a constant flow of new talent to draw upon.

This will be the Bolshoi Ballet's sole performance in the entire Mid-Atlantic Region.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

Penn Staters

Zachary T. Irwin, associate professor of political science at Penn State Erie, Behrend College, presented his paper "The United States Policy Toward Yugoslavia, 1945-47" at an international conference in Koper and Nova Gorizia, Slovenia. The conference theme, "The 1946 Paris Peace Conference and Annexation of the Slovene Littoral" marks the 50th anniversary of ratification of the Italian Peace Treaty establishing the boundary with Slovenia.

Sridhar Komarneni, professor of clay mineralogy, received the Marion L. and Chrystie M. Jackson Soil Science Award

from the Soil Science Society of America. The award recognizes mid-career scientists who have made outstanding contributions in soil chemistry and mineralogy.

Digby D. Macdonald, professor of materials science and engineering and director of the Center for Advanced Materials in the College of Earth and Mineral Sciences, has been elected as an Honorary Fellow of the Royal Society of New Zealand. This rare honor is reserved for New Zealand scientists working overseas who have contributed significantly and with excellence to New Zealand science.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, January 30
David Gilem, gallery talk on "American Prints between Wars," 2 p.m., Christoffers Lobby, Palmer Museum.

Saturday, January 31
Albert Frantz, piano, student recital, 8 p.m., Recital Hall.
"Story Time" by Jan Kinney, 11 a.m., Special Exhibition Gallery II, Palmer Museum.

Sunday, February 1
"Sleeping Beauty on Ice," 1 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Jason Plosch, trumpet, graduate recital, 2 p.m., Recital Hall.
Daryl Durran, bassoon, faculty recital, 4 p.m., Recital Hall.

Monday, February 2
John Daniel, trumpet, 8 p.m., Recital Hall.

Wednesday, February 4
Horn Studio recital, 8 p.m., Recital Hall.

Thursday, February 5
The 1998 Dance Marathon Kick-Off Dinner, The Penn Stater.
The Penn State Clarinet Choir, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Friday, February 6
"Peer Gynt, National Theatre of the Deaf," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Jennifer Streib, gallery talk on "The Hudson River School Landscape," 2 p.m., Christoffers Lobby, Palmer Museum.

Steven Grazzini, piano, 8 p.m., Recital Hall.

Saturday, February 7
Mingus Big Band, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

SEMINARS

Friday, January 30
■ Anthony Williams on "Amsterdam: Will it go to Pot? Continuity and Change in a Second-Tier City," 4 p.m., 206 Walker.

Saturday, January 31
■ Gerald E. McClean on "Genetics of Human Behavior," 11 a.m. to 12:30 p.m., Kern auditorium.

Monday, February 2
John Cherny on "USDA Eastern Regional Research Center," 12:30 p.m., 239 Agricultural Engineering.

Karm Dahmen on "Avalanches, Earthquakes and Plain Old Critically," 3:30 p.m., 339 Davey Laboratory.

■ Luis Lorenzo-Rivero on "Macias and Don Juan: Dos Ideologías Romanticas Opostas," 8 p.m., 109 Walker.

Tuesday, February 3
Sanat Kumar on "Phase Transitions in Thin Polymer Films," 10 a.m., 140 Fenske Laboratory.

Linda Collins on "Perceived Parental Permissiveness as a Risk Factor for Substance Use Onset: An Example of Latent Transition Analysis," noon to 1 p.m., 406 Oswald.

■ Jeanne Porter on "From the Vatican to the Monastery: Adventures of an Art Historian," noon, 212 Eisenhower Chapel.

Anzong Wang on "Critical Collapse in Scalar Tensor and Non-Linear Gravity Theories," 2 p.m., 339 Davey Laboratory.

Lars Larsson on "Regulation of Muscle Contraction in Health and Disease," 4 p.m., S-209 Henderson.

Hong Ma on "Molecular Genetic Analysis of Floral Organ and Pollen Development," 4 p.m., 8 Mueller Laboratory.

Wednesday, February 4
Jiaxiu Li on "Isolation and Characterization of Protein Kinases from Guard Cells of *Vicia faba*," 12:20 to 1:10 p.m., 106 Warlick Laboratory.



On stage

LeAnne Rimes and Bryan White will be at The Bryce Jordan Center at 7:30 p.m. Thursday, March 5. For more information, visit the John Center Web site at <http://www.bjc.psu.edu/>.

Werner Weiglhofer on "Green Functions and Their Use in Electromagnetics," 3:35 p.m., 215 Hammond.

Shannon Mihalko on "Falls and Functional Independence Among Older Adults: A Social Cognitive Perspective," 4 p.m. to 5 p.m., 110 Henderson.

Thursday, February 5
C. Peter Magrath on "The Kellogg Commission: Charting the Future of the Land-Grant University in the 21st Century," 11:30 a.m. to 1 p.m., The Nittany Lion Inn Ballroom.

Spiro Stefanou and Swami Ananthaswaran on interdisciplinary projects, noon, 304 Rider II.

Mark A. Ratner on "Electron Transfer, Molecular Wires and Dissipation," 12:15 p.m., S5 Osmond Laboratory.

David Campbell on "Nonlinear Science: From Paradigms to Practicalities," 3:30 p.m., 101 Osmond Laboratory.

■ Hermann Wellenreuther on "The Art of Governing and the Problem of German Migrations in the 18th Century," 4 p.m., 102 Weaver.

Friday, February 6

Joyce Illfelder-Kaye and Jennifer Harp on "Recognizing and Referring Students in Crisis," 1 p.m., 305 HUB.

Trudy Suchan on "Categories in Geographic Representation: Common Conceptions Meet Formal Definitions of Rural," 4 p.m., 206 Walker.

Denlela Neu on "The Retreat of Thinking: The Question of the Body at the Threshold," 4 p.m., 124 Sparks.

Saturday, February 7

Ellen Hess on "Genetics of Human Diseases," 11 a.m. to 12:30 p.m., Kern auditorium.

CONFERENCES

Friday, January 30

Phi Mu Alpha Sinfonia, The Penn Stater.

Monday, February 2

Dental seminar, The Penn Stater.

Tuesday, February 3

Dutch Convention and Visitors Bureau, The Penn Stater and The Nittany Lion Inn.

NECEPT Technician Training Programs, The Penn Stater

Wednesday, February 4

Compmaster Microsoft Windows 95, The Penn Stater.

Thursday, February 5

Kaufman's, The Nittany Lion Inn.

Friday, February 6

PASA: 4c-ing the Future, The Penn Stater.

EXHIBITS

Computer Building

■ "Faces of Americas" by Javier Escudero, through March 5.

HUB Browsing Gallery

Pen, ink and collage works by Anu Chowia, through Feb. 22.

HUB Formal Gallery

"Inside Out" photographs by Debra Dilworth, through Feb. 22.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

Kern Exhibition Area

■ Photographs by Henry Lee, through Feb. 15.

North Halls

"From the Past to the Present: The 3-Ls of Life" by Crystal Brown, through Feb. 26.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Rittenour Lobby

■ African masks by Kathleen Donovan, through March 5.

Waring Hall

Photographic works by Lisa Graves, through March 5.

West Halls

Photographs by Lisa Graves, through Feb. 26.

Zeller Gallery

Motels Exhibition, through Feb. 4.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

JANUARY 30 - FEBRUARY 7

Faculty Senate to meet Feb. 3 at University Park

The University Faculty Senate will meet on Feb. 3 at 1:30 p.m. in Room 112, Kern Graduate Building on the University Park campus. Items to be discussed include:

■ Economic Crisis and Paradigm Changes in Scholarly Publication: Implications for Scholars, Librarians and University Presses (informational).

■ Report on computer-aided instruction and learning (advisory/consultative).

■ Report on current status of student financial aid (informational).

■ Report on the serials dilemma: an update (informational).

■ Structure of the Office of Outreach and Cooperative Extension (informational).

■ Census report for 1998-99 (informational).
Members of the University community are invit-

ed to attend. Any member of the University community who is not a member of the Senate, may request the privilege of the floor on any item of business already before the Senate.

Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.



Quality Expo expands

This year, the Sixth Annual Penn State Quality Expo will be expanded to include a Quality Conference, which will be held on April 21-22 in The Penn State Conference Center and Hotel. (As in previous years, Expo exhibitors' booths will be set up in The Nittany Lion Inn Ballroom.) Immediately preceding the Expo, the conference will feature presentations from quality improvement practitioners from Penn State and other colleges and universities.

David Ward, chancellor of the University of Wisconsin-Madison, will present the plenary address, "Advancing a Vision through Systemic Approaches." A panel consisting of John Brighton, executive vice president and provost; Carolyn Woo, dean of Notre Dame's College of Business; and Susan Hillemeier, vice president for administration and planning, Belmont University, will respond to Ward's remarks. The panel will be moderated by David Wormley, dean of the College of Engineering, Penn State.

Penn State is well represented at the conference. Among the presenters and their topics are: Linda Angell, Smeal College, "Using Teams to Achieve Course Objectives;" Frederick Loomis, Outreach and Cooperative Extension, "A Scorecard Approach to the Measurement of Unit Performance;" Betty Roberts, Business Services, "Using Teams in the Workplace;" Joseph Puzyski, Office of Judicial Affairs, "Reengineering a Student Discipline System;" Louise Sandmeyer, Center for Quality and Planning, "Integrating Quality, Planning and Assessment;" and Doris Guanowsky, University Health Services, "The Pitfalls and Rewards of Facilitating a CQI Team."

There will be presentations by CQI directors from other universities, including: Maury Cotter, University of Wisconsin-Madison; Brent Ruben, Rutgers; and Janice Terrell, University of Central Florida. Warren Alpaugh, a program manager at IBM, also will participate.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LES1@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.

Administrative Fellows program prepares future Penn State leaders

Even the most seasoned University faculty and staff members can find themselves overwhelmed by the challenges and complexities of an administrative position, but a small program begun 12 years ago has proven that mentoring helps.

The Board of Trustees got an update Friday, Jan. 16, on the Administrative Fellows program—a program designed to increase the size of the pool and the diversity of employees in that pool of potential leaders. Employees who have completed the program find that they are better prepared to step into leadership roles and positions of influence within the University community.

"Penn State is committed to helping faculty and staff refine their leadership skills and broaden their understanding of issues facing the University," said Robert Secor, vice provost for academic affairs and personnel. "We are committed to promoting excellence and inclusiveness in the University's administrative leadership for the future."

The Administrative Fellows program was created in 1986, the result of a collaboration between the Office of the President and the Commission for Women. Fellows are matched with senior administrators and placed on leave for a year, to devote themselves to learning. Women and minorities are encouraged to apply.

Gary Schultz, senior vice president for finance and business/treasurer; Rodney Erickson, vice president for research and dean of the Graduate School; and James Ryan, vice president for outreach and cooperative

extension, will mentor fellows during the 1998-99 academic year.

Fellows and their mentors work closely to develop a learning plan for the year. In addition, they attend the same meetings their mentor regularly attends, including the University Planning Council, the Council of Academic Deans and the University Council for Continuous Quality Improvement. They are encouraged to ask questions and participate fully.

For Ingrid Blood, associate dean for undergraduate studies, the year she spent as a Fellow changed her life. "I learned to think in broad terms, not in a narrow channel. Leadership is more than a position of power. You have to learn to see beyond your particular discipline to understand the strength of diversity and the importance of building trust in the workplace," said Blood.

Past Fellows have been exceptionally creative in pursuing special projects that match their unique talents. Some have participated in strategic planning and in budget reviews; others have helped develop the Schreyer Institute for Innovation in Learning, minority student retention programs and plans for The Bryce Jordan Center and the Research Park.

Fellows report gains in self confidence, increased mental stamina and comfort with public speaking and an enhanced understanding of the complexities surrounding decision making. While participation in the program does not guarantee an administrative appointment, former administrative fellows have gone on to become director of academic affairs,

acting dean, acting campus executive officer, assistant controller and bursar, associate vice president, director of residence life and associate dean.

During her fellowship, Blood worked on a project to enhance faculty development, participated in the Committee on Institutional Cooperation Academic Leadership Program, attended Board of Trustees meetings and attended the presidential selection workshop designed for the presidential search and screening committee.

"The experience was exhausting, challenging and exhilarating," said Blood. "I am grateful to those who opened their doors to me during my fellowship. It left me eager to tackle new challenges and build on newly-acquired skills."

Jan. 30 is the application deadline for the Administrative Fellows Program. Penn State faculty and staff members from all University locations are eligible to apply. Applicants should:

- Show evidence of leadership experience and decision-making abilities;
- Hold a full-time faculty or staff appointment;
- Have demonstrated success in their current positions and interest in administrative careers;
- Be familiar with University policies, and;
- Be willing to accept a wide variety of assignments.

For more information on the Administrative Fellows Program call Secor at (814) 863-7494; or visit their Web site at <http://www.psu.edu/ur/fellow1.html>.



Ready to roll

The University Park Airport's Oshkosh sweeper with its 18-foot broom sits in front of the snow removal equipment building currently under construction at the airport. When complete, the building will house the oversized snow plows, brooms and other equipment needed to keep the runways clear. Workers were busy using the equipment on Jan. 23, after a storm dropped between 3 and 5 inches of snow in and around University Park before changing to rain. The storm dropped rain or snow throughout Pennsylvania.

Photo: Greg Grieco

Second phase of HUB/Robeson project begins

Phase 2 of the planned HUB-Robeson Complex on the University Park campus started this month with the completion of the preliminary site utilities and the kickoff of the construction of the new main building. The project, started in September, will expand and renovate the current Hetzel Union Building and house a new Paul Robeson Cultural Center.

Preparations for the renovation of the current HUB spaces that will adjoin the new building will be happening on the ground, first, second and third floors sometime this month.

"Most of the regular HUB activities, such as meetings, lectures and HUB Late Night, will continue this semester, regardless of the construction," said Craig Millar, associate vice president for student affairs. "Most services will be available during fall and spring semesters during the overall project."

The windows of the HUB south wall facing the lawn on the first, second and third floors are scheduled to be covered this month for safety reasons for the duration of the project. The HUB lawn entrance is scheduled to close later this month, but the main entrances will remain open.

The south entrances off Coaly's Cafe and the Eateries will remain open with protective walkways set up sometime in February. However, there may be temporary disruptions at times. The road between the HUB and McAllister Building (where the Post Office is located) will be the only entrance and exit for all construction vehicles during the entire project. The



Snow delay

Snow temporarily halted outdoor work on the HUB/Robeson Complex project at University Park recently. The project is moving ahead at a good pace, however. All site utilities are in place, and work is beginning on phase two — construction of the new main building.

Photo: Greg Grieco

road will stay open, with access to the Henderson Building parking lot, but there may be frequent disruptions of traffic, Millar said. The HUB parking deck remains open.

The construction manager selected for the overall project is Turner Construction Co.

In late May, key meeting rooms such as the HUB Ballroom and the Fish Bowl will close. For scheduling

updates, student organizations and University departments planning events for 1998 and 1999 should contact Betsy Boyer, Office of Event Management, at (814) 865-7973 or 226 HUB. The current Paul Robeson Cultural Center will be available for events for most of the next two years, and space can be reserved by calling (814) 865-1779.

The planned HUB-Robeson Com-

plex will have a linear addition from the west end of the HUB to the middle of the south wall of the Penn State Bookstore. It will be connected to the existing building with a four-story atrium. Portions of the existing HUB will be renovated to incorporate the atrium and new Pollock Road entrance. The new Paul Robeson Cultural Center will have a distinctive oval shape at the east end of the addition.

Faculty/Staff Alerts

Making money stretch

The Center for Adult Learner Services is sponsoring a program on the University Park campus titled "Student Aid: Making Money Stretch," on Tuesday, Feb. 3 from 6-8 p.m. in 310 Shields Building and again on Wednesday, Feb. 4, from noon to 2 p.m. in 329 Boucke.

Presenters will discuss the application process and deadlines, provide an overview of financial aid sources, review cost of attendance and help you develop a personal budget, among other things.

Anyone interested in attending or needing more information, call the Center for Adult Learner Services at (814) 863-3887 or stop by 323 Boucke.

Celebrate the Winter Olympics

Penn State alumni attending the 1998 Winter Olympics will be able to celebrate together on Saturday, Feb. 14, in Nagano, Japan. The Penn State Alumni Association and its Japan Alumni Chapter are hosting a Penn State Winter Olympics Celebration in Nagano to help Penn Staters who live in Japan join those traveling to the Olympics. For more information, contact Sarah Cummings by e-mail at sarah@hokusaui.org, by phone at (81-26-247-2027, or by fax at (81-26-251-4017. Or call Dick Nelson at (814) 238-6958. To learn more about alumni

activities, go to <http://www.alumni.psu.edu> on the Web.

Career networking

Career networking with 1,000 established professionals is now available to Penn State students through LionLink. The program, sponsored by the Penn State Alumni Association and Penn State Career Services, matches each participating student with an alumni volunteer willing to provide career information.

Students who sign up for the free service can ask to be linked with a volunteer in a particular field, location or company. If they register via LionLink's Web site at <http://www.lionlink.psu.edu/>, students can search the database themselves and ask to be linked with a specific volunteer. Registration forms also are available in 406A Boucke Building, University Park.

Once matched with a volunteer, the students conduct informational interviews (usually by telephone) to get insight and advice about careers. Students and alumni volunteers interested in taking part in LionLink can get more information from the Web or by calling (814) 863-6014; sending e-mail to LMFH1@psu.edu; or writing or visiting 406A Boucke Building.

Study subjects sought

Postmenopausal women are needed for a study at the Noll Physiological Research Center on the University Park campus. Women between the ages of 60-70 years old who are not taking hormone replacement therapy can take part in this research being overseen by W. Larry Kenney, professor of physiology and kinesiology. Benefits for those who participate include a physical exam, blood work, body composition assessment and \$150. Call Bill at (814) 863-2948 if you are interested in participating.

Food study participants needed

Do you watch what you eat? The Food Lab on the University Park campus is currently seeking normal weight, non-smoking, non-dieting females (23-45 years of age) who regularly drink milk to participate in a study. This study involves eating breakfast and lunch in our laboratory one day a week for six weeks. You can earn up to \$60 for participating. For more information, please call Sarah at (814) 863-8482. The principal investigator on this study is Barbara J. Rolls, Helen A. Guthrie chair and professor of nutrition, biobehavioral health and behavioral science.

Leaves of Absence

Leaves of absence are granted for purposes of intensive study or research that will increase the quality of the individual's future contribution to the University. Leaves of absence for locations other than University Park appeared in the Jan. 22 Intercom.

The following leaves of absence have been approved at University Park:

College of Agricultural Sciences

Craig R. Baumrucker, professor of animal nutrition-physiology, to study new molecular biology techniques.

Cathy F. Bowen, assistant professor of agricultural and extension education, to study, practice and expand consumer knowledge and skills, especially those related to personal finance.

Dennis R. Buckmaster, associate professor of agricultural engineering, to enhance educational programs to meet industry needs, foster industry collaboration in research and develop educational outreach programs.

John W. Comerford, associate professor of dairy and animal science, to collaborate with scientists in studies to characterize the genotype of the Irish herd and determine its effectiveness in searching product targets of Irish beef alliances.

William S. Curran, associate professor of weed science, to study and participate in weed biology research, educational programs and biological control research.

Nancy E. Grotevant, county extension director and extension agent (Pike County), to complete course work for a master's degree in health education.

James M. Hamlett, associate professor of agricultural engineering, to collaborate with educators, scientists and students to assess and identify the extent of nonpoint pollution as it affects water quality; and to conduct research.

Gregory D. Hanson, associate professor of agricultural economics, to develop a public/private outreach education approach to farm management extension, and evaluate a United Nations funded project working with small farms.

James W. Hilton, associate professor of agricultural engineering and agricultural education, to gain experience in the agricultural machinery industry, including state, district and national training in technical and management areas.

William R. Hosler, associate extension agent (Huntingdon County), to complete course work for a master's degree in rural sociology.

Albert E. Luloff, professor of rural sociology, to conduct collaborative studies designed to generate a better understanding of community well-being and its relationship to population and economic growth in rural and small towns.

Alan A. MacNab, professor of plant pathology, to study new methods of forecasting and managing vegetable diseases, especially those associated with tomatoes.

Wayne L. Myers, associate professor of forest biometrics, to program director of the Office for Remote Sensing of Earth Resources, to develop a mapping framework of ecological land-type units and land-type associations for the state forests of Pennsylvania that has consensus support across the Pennsylvania Bureau of Forestry and is extendable to encompass all lands of the Commonwealth.

Nina L. Redding, extension agent (Adams County), to complete course work for a master's degree in training and development.

Dennis C. Scanlon, professor of agricultural and extension education, to study the efficacy of two alternative delivery models for agricultural education with audiences in a multicultural setting.

Jan E. Scholl, associate professor of agricultural and extension education, to conduct collaborative studies on the new national trends related to curriculum development, funding and distribution of curriculum.

Stephen M. Smith, professor of agricultural economics, to conduct collaborative studies on the market potential for traditional Andean tuber and grain crops by surveying consumers in different socioeconomic neighborhood markets in three Peruvian cities.

Richard H. Yahner, professor of wild-life conservation, to write a book on conservation and ecology of mammals.

College of Arts and Architecture

Daniel C. Armstrong, professor of music, to produce new arrangements of early 19th century works for mallet and percussion ensemble and to record new works commissioned by and for the Armstrong Flute and Percussion Duo.

Paul E. Bolin, associate professor of art education, to study the inclusion of drawing as academic subject of study in the public schools of New England during the late 19th century.

James P. Lyon, associate professor of music, to conduct interviews with conductors of major symphony orchestras in the United States on the background and training required for a successful career as an orchestral concertmaster of a major symphony orchestra.

Sallie M. McCorkle, associate professor of art, to complete a collaborative project on the creation of a system that functions as art, explores computer technology and provides the participant with a new, metaphoric doorway in a more romantic, rich and interactive experience of travel.

Jane Ridley, associate professor of theatre arts, to undertake advanced professional study of theatrical collaboration in London; to see performances developed collaboratively in major European cities; and to perform in a new play.

Jean M. Sanders, associate professor of art, to complete a suite of 10 fine art prints that explore an interest in yoga in more depth and to record images of the landscape, architecture and people through the use of a digital camera and laptop computer.

Elizabeth B. Smith, associate professor of art history, to conduct an analysis of the domical vault in Italian Gothic architecture, with special focus on the interaction between structure and design.

Thomas G. Yahner, associate professor of landscape architecture, to explore the integration of landscape history with the computer-based method of landscape analysis known as Geographic Information Systems. **M. Daniel Yoder**, professor of music, to write musical compositions and arrangements for saxophone ensembles of various sizes.

The Smeal College of Business Administration

Gary E. Bolton, associate professor of management science, to conduct collaborative research on motivation in bargaining and other situations involving strategic conflict.

Daniel J. Brass, professor of organizational behavior, to conduct collaborative research on social networks.

June F. Mutchler, Arthur Andersen professor of accounting, to serve in a faculty residency position and learn the new audit approach.

Jerry C. Olson, chair of the Department of Marketing and The Earl P. Strong executive education professor of business administration, to serve as a visiting scholar and work on two books on deep analysis of consumers and marketing strategy.

Arnold F. Shapiro, professor and Robert G. Schwab University Endowed Fellow of business administration and director of the Risk Management Research Center, to develop an interactive multimedia facility which gives Penn State actuarial science and insurance students just-in-time access to prominent researchers on a worldwide basis.

Harish Sujan, associate professor of marketing, to conduct collaborative research on salespeople's stress and happiness.

Mita Sujan, professor of marketing and Charles and Lillian Binder Faculty Fellow, to engage in a study on new product development.

College of Communications

Mary S. Mander, associate professor of communications, to complete a book-length manuscript on the history of the press in wartime, specifically for the period of time from the War of 1898 through the Vietnam War of the modern period.

College of Earth and Mineral Sciences

Alfah H. Carim, associate professor of materials science and engineering, to conduct collaborative research on crystallographic analysis of novel materials and related topics.

Amy K. Glasmeier, professor of geography and regional planning, to write a major collaborative research proposal, complete a book manuscript and a textbook, and write a series of journal articles that synthesize research on the development effects of economic globalization.

Sanat K. Kumar, professor of materials science and engineering, to conduct collaborative research on the characterization and modeling of macromolecular systems.

Alan M. MacEachern, professor of geography, to investigate the potential for new computer representation forms and visualization tools to facilitate an understanding of geoscientific information and to explore the influence on how science and society construct knowledge.

Merrilee J. Mayo, associate professor of materials science and engineering, to serve as a Congressional Fellow in a program which pairs scientists with congressmen to work on matters of science policy at the federal level.

Ljubisa R. Radovic, associate professor of fuel science, to conduct collaborative research on environmental applications of carbon-based materials and to complete a textbook on energy and fuels.

College of Education

Dorothy H. Evensen, associate professor of education, to conduct collaborative research that will design and evaluate new curricula to facilitate student learning of legal discourse.

Henry A. Giroux, Waterbury chair professor in secondary education and professor of education, to conduct research and edit a book on internationally regarded educator Paulo Freire, to study the transformation of the crisis of youth and the politics of representation.

Aaron D. Gresson III, professor of education, to collect materials for completion of a textbook in foundations of education.

Kyle L. Peck, associate professor of education, to study the transformation of public education and the roles modern computer-based technologies might play in this transformation.

College of Engineering

Russell R. Barton, associate professor of industrial engineering, to link research activities in Penn State's Intelligent Design and Diagnostics Research Laboratory with the Laboratoire Productique at Logistique de Ecole Centrale Paris.

Craig A. Bernecker, associate professor of architectural engineering, to develop a comprehensive distance learning program in illumination engineering for the state of California.

Cengiz Camci, associate professor of aerospace engineering, to conduct research in propulsion heat transfer problems and to complete a book on liquid crystal thermography.

Paul H. Cohen, professor of industrial engineering, to study rapid prototyping and solid freeform manufacturing technologies, participate in a research project involving rapid prototyping and manufacturing of biomedical surgical implants, study and participate in concurrent engineering and develop course materials in rapid prototyping.

Ronald P. Danner, professor of chemical engineering, to study the thermodynamics of polymer solutions and phase equilibria of complex systems.

Christopher J. Duffy, associate professor of civil engineering, to write a book on dynamic hydrologic systems and to conduct research on environmental modeling in large-scale river basins.

Kristen A. Fichtner, associate professor of chemical engineering, to study density-functional theory of chemical bonding at surfaces and subsequently apply the theory to thin-film epitaxy.

Stephen J. Fonash, professor of engineering science, distinguished professor, and director of the Electronic Materials and Processing Research Laboratory, to develop an undergraduate textbook for microelectronics and photonics based on an integrated teaching software approach.

Gennady Gidlenblat, professor of electrical engineering, to complete a manuscript on research on compact model for circuit simulators.

Thomas F. Keefe, associate professor of computer science and engineering, to study problems related to secure interoperation and methods for verification and validation of secure systems.

Jack V. Matson, professor of civil engineering and director of the Leonard Center, to serve as a senior Fulbright chair and teach at the Technical University of Lisbon and conduct research on energy, environment and sustainability at RISE University.

Philip J. Morris, Boeing professor of aerospace engineering and director of the Institute for High-Performance Computing Applications, to conduct research on the simulation of airframe noise using parallel computers.

C. Russell Philbrick, professor of electrical engineering, to develop remote sensing techniques and subsequently apply the technology to answer the critical question regarding atmospheric pollution.

Leaves

continued from page 12

College of Engineering (cont'd.)

Asok Ray, professor of mechanical engineering, to conduct research in the evolving field of life-extending control of aircraft structures and engines.

Raymond W. Regan Sr., professor of civil engineering, to serve as a Fulbright scholar and conduct research and teach on the technical options available to industries in Portugal for approaching environmental and energy sustainability by greater reliance on natural resources.

Joseph L. Rose, Paul Morrow professor in engineering design and manufacturing, to study ultrasonic guided waves and nondestructive evaluation for power and chemical plant safety research and development; establish international cooperation and confounding possibilities; and enhance ongoing graduate and undergraduate education.

Fedor W. Sparrow, associate professor of acoustics, to conduct collaborative research on virtual acoustics; and to apply the techniques of fuzzy structures to aircraft interior noise problems.

Marlin W. Tretaway, professor of mechanical engineering, to conduct research to develop dynamic models of mechanical systems based on experimental data.

College of Health and Human Development

Leann L. Birch, professor and head of the Department of Human Development and Family Studies, to write and conduct collaborative research on the developing control of food intake in children.

Janice L. Dreachslin, associate professor of health policy and administration at Penn State Great Valley, to study the influence of race, gender and other dimensions of diversity on opportunities for career advancement; employee perception of organizational culture and climate; and to compile case studies of health care.

Craig S. Edelbrock, professor of human development, to develop new teaching skills involving computer and Internet applications and develop new interactive and multimedia instructional resources.

David J. Eggebeen, associate professor of human development and sociology, to conduct research on the role of fatherhood and its consequences for men.

Kathryn E. Hood, associate professor of human development and family studies and women's studies, to serve as a visiting scientist and study empirical and theoreti- cal perspectives on the development of behavior.

Byron C. Jones, professor of behavioral health and human development, to complete the editing of a book on cellular and quantitative methods in neurogenetics and conduct collaborative research on the relationship between stress and alcohol.

R. Scott Kretschmar, professor of exercise and sport sciences, to complete research on an interdisciplinary account of games, play and their interrelationships that will provide a foundation for both theoretical and practical applications.

Karl M. Newell, professor and head of the Department of Psychology, to conduct research on neuroleptic drugs and movement disorders and learn new data analysis techniques that will enhance future research.

Barbara J. Rolls, Helen Guthrie chair in nutrition and professor of nutrition and applied physiology, to write a book on the regulation of food intake and body weight that will provide science-based information

on eating and weight management to health professionals and educated consumers.

Judith R. Vicary, professor of biobehavioral health, to examine current research and programming and extend analyses from an ongoing 12-year longitudinal study of the antecedents and consequences of stress pregnancy and the patterns of substance use over time.

Yu-Yan Yeh, professor of nutrition, to study human obesity and master the state-of-the-art technologies necessary for the growth and renewal of research and scholarships.

College of the Liberal Arts

Thomas W. Benson, Edwin Elice Sparks professor of rhetoric, to continue investigation of American presidential rhetoric, speech writing and speech making in the modern presidency.

Alan Booth, professor of sociology and human development, to develop a course on the topic of human social behavior and biology and commence analysis on a project on hormones, family relations and child development.

Richard J. Bord, associate professor of sociology, to produce a book that develops the theoretical implications of 12 years of research on environmental risks.

Christopher Clausen, professor of English, to write a book on post-culturalism.

Gary S. Cross, professor of European history, to complete a book about 20th-century American consumerism.

David V. Day, associate professor of psychology, to design and initiate collaborative research on rat training programs to improve the quality of ratings for organizational citizenship behaviors.

Francis G. Dent, professor of German, to produce a scholarly introduction to the German Middle Ages, including history, language, literature and culture.

Lori D. Ginzberg, associate professor of history and women's studies, to write a book that draws on recent literature in the history of law, rights consciousness, the sphere of public opinion and women's informal political action to explore women's changing political and legal consciousness in 19th-century United States.

Richard B. Gregg, professor of speech communication, to discover, gather and organize documents relevant to a book on the Berlin Wall as a major rhetorical symbol of the Cold War.

William J. Harris, associate professor of English, to complete a critical study of the experimental novel of postmodern African-American writer Ishmael Reed.

James W. Hatch, associate professor of anthropology, to synthesize results of recent archaeological research in Georgia into a monograph and lay the groundwork for a new, interdisciplinary program on the prehistory of the lower Mississippi River Valley.

Grant H. Henning, professor of speech communication, to develop and validate automated systems for English-as-a-second-language assessment.

Derek Laing, associate professor of economics, to study the effects of hyperinflation on the terms of means of exchange and the links between inflation, capital accumulation and growth.

Christiane P. McLeod, professor of French and women's studies, to complete a book on the processes and sources of creativity of award-winning French Swiss writer Corinna Bille and to begin intensive research for a new book project on French Creole women and slavery.

Wilson J. Moses, professor of American history and Fellow of the Institute for the Arts and Humanistic Studies, to produce a book-length reinterpretation of the Civil

Rights movement, stressing economic ideology over moral issues.

Michael M. Naidan, professor of Slavic languages, to complete work on a book on major Russian poet Marina Tsvetayeva (1892-1941).

Jeffrey T. Nealon, associate professor of English, to work on a book-length project comparing, contrasting and querying the highly influential French philosopher Jacques Derrida and Gilles Deleuze.

Jon P. Nelson, professor of economics, to write research papers and a monograph on applied demand analysis, with econometric applications to consumer expenditures on recreation, entertainment and gambling.

Keith E. Nelson, professor of psychology, to conduct research and write on children's communicative development.

Robert E. O'Connor, associate professor of political science, to complete a book-length manuscript that will integrate political, cultural, economic, psychological and sociological explanations of risk perceptions.

Laurence E. Prescott, associate professor of Spanish and African American studies, to advance research for a book-length study of African American life and culture in contemporary Hispanic travel literature from 1920-70.

Paul L. Rose, professor of European history, to complete a book-length study, and Fellow of the Institute for Arts and Humanistic Studies, to write a book that analyzes how Thomas Mann fashioned himself to be an interpreter of German history as well as an active and symbolic agent in German history.

Ernst Schürer, professor of German and Fellow of the Institute for the Arts and Humanistic Studies, to conduct an examination, interpretation and analysis of the strategies employed by authors and directors to present complex economic realities in an aesthetically acceptable manner in modern German dramas.

Darrell J. Steffensmeier, professor of sociology and crime, law and justice, to investigate sentencing practices in Pennsylvania from 1991-98, with particular focus on the relative effects of case and judge characteristics on sentence outcomes.

Reiko Tachibana, associate professor of comparative literature and Japanese, to conduct research for a book-length study of women writers of Japanese background writing in postwar Germany and the United States; and their counterparts, women writers of non-Japanese background writing in postwar Japan.

Beno Weng, professor of Italian, to write a book on the theater of Italo Svevo and show how it relates to his major works of fiction.

Kenneth M. Weiss, distinguished professor of anthropology and genetics, to gain first-hand experience and learn methods for analyzing complex DNA sequence data; and to conduct research on human genetic variation, its global distribution and its relevance to disease.

Christine A. White, associate professor of history, to advance research on the origins of a veritable cult of aviation in Imperial Russia.

Markus Winkler, associate professor of German, to write a book-length interdisciplinary study on the structure and content of German popular culture (and jokes).

Monique Yaari, associate professor of French, to complete a book that examines cultural sensibilities and the construction of a national public image as they have emerged over the past 25 years through an interplay of literary, architectural production, theoretical discourse; and institutions linking culture, society and politics.

Eberly College of Science

Michael G. Akritas, professor of statistics, to develop a major research initiative in nonparametric statistical models and write a book on nonparametric data analysis.

Joel H. Anderson, professor of mathematics, to conduct research into spectral scales of n -tuples of self-adjoint operators in finite von Neumann algebras.

G. Jagesh Babu, professor of statistics, to conduct collaborative research on asymptotic expansions which are essential to justify several aspects of statistical data analysis and many popular computer intensive resampling procedures.

Augustin Banayaga, professor of mathematics, to conduct research in the areas of geometry of gauge fields, quantum groups, symplectic/conformal geometry and Riemannian geometry.

A. Welford Castleman Jr., Evan Pugh professor of chemistry, to study the electronic excitation dynamics of met-cars supported on surfaces using ultra-fast laser techniques and complete a monograph on cluster science.

Renée D. Diehl, associate professor of physics, to develop new diffraction techniques to study the structures of stepped surfaces.

Barbara J. Garrison, professor of chemistry, to generate new and strengthen established international collaborations in the fields of energy and particle bombardment of solids and laser ablation of solids.

Dimitri Grigoriev, professor of computer science and engineering, to participate in a program on symbolic computations and work on the complexity of manipulations with sparse functions; and to conduct collaborative research on the complexity issues of the robot motion planning and randomized complexity lower bounds.

Andrea M. Mastro, professor of biochemistry and molecular biology, to develop a research program in immune cell-bone cell interactions and conduct collaborative research to identify the mechanisms of mammalian cell genes, particularly those involved with metastasis.

Webb C. Miller, professor of computer science and engineering, to conduct collaborative research on a software system for comparing DNA sequence data from the genomes of humans and mice.

Ganapath P. Patil, distinguished professor of mathematical statistics and director of the Center for Statistical Ecology and Environmental Studies, to conduct research, write and interact on contemporary issues and techniques in environmental and ecological sampling, geospatial multivariate assessment, quantitative risk analysis and statistical distributions in scientific work.

Jie Shen, associate professor of mathematics, to conduct research on numerical solutions of partial differential equations and complete a book on spectral methods.

Stephen G. Simpson, professor of mathematics, to conduct research on graph algorithms and foundations of mathematics.

Mark Sinkman, professor of physics, to conduct collaborative research on various aspects of collider physics.

Howard Weiss, associate professor of mathematics, to conduct research on the overlapping areas of dynamical systems, Riemannian geometry and dimension theory.

The University Libraries

Bonnie A. Osif, associate librarian, to study the publication, archival and citation patterns of transportation literature and the role of the World Wide Web as a tool in the transportation field.

Partings

Professor earns emeritus rank

Gerard J. Brault, Edwin Eric Sparks professor emeritus of French and medieval studies, and Fellow emeritus of the Institute of Arts and Humanistic Studies, has retired after 32 years. Brault is an internationally recognized authority on the Old French epic and also is regarded as the foremost expert on medieval heraldic terminology.

Brault's two-volume edition of the *Song of Roland* in 1978 was a landmark literary analysis and English translation of the earliest and most famous chanson de geste. He served, from 1985 to 1988, as president of the Société Rencesvals, an international organization for the advancement of romance epic studies. In March, colleagues will honor Brault with a festschrift titled *Echoes of the Epic* and, in May, with a special session on the chanson de geste during an international congress at Western Michigan University.

His first book on medieval heraldry, *Early Blazon*, was published at Oxford in 1972. His latest, a two-volume edition of *The Rolls of Arms of Edward I (1272-1307)* for the Society of Antiquaries of London, appeared last year and earned him the gold medal of the Institute of Heraldic and Genealogical Studies and the Riquer Prize of the Académie Internationale d'Héraldique.



GERARD J. BRAULT

He is a fellow of various societies and academies and has received numerous honors, including Penn State's first Faculty Scholar Medal for outstanding achievement in the arts and humanities in 1981.

A native of Chicopee Falls, Mass., he graduated from Assumption College, at the time a bilingual school whose students were mostly descendants of French-Canadian immigrants. Brault wrote about this milieu in *The French-Canadian Heritage in New England* published in 1986. After earning his master's degree in French from Laval University and serving two years in the U.S. Army, he obtained a doctorate in romance languages from the University of Pennsylvania.

Brault was appointed professor and head of the Department of French at Penn State in 1965, serving in the latter capacity for five years. He was named distinguished professor in 1990, then Sparks professor later the same year.

Brault plans to remain active professionally and is currently writing a book on Thomas' *Tristan*, a 12th-century French romance. He enjoys traveling here and abroad with his wife, Jeanne, visiting their three children and eight grandchildren, downhill skiing, swimming and walking.

Berks' first professor of English retires

Shirley Marchalonis, professor of English and women's studies at Penn State Berks, retired at the end of the fall 1997 semester after 23 years of service to the University.

In 1990, Marchalonis became the first Commonwealth Educational System English faculty member to become a full professor under PS 23, the Penn State ordinance that governs promotion and tenure for the University.

Her specialization is in 19th century American women writers, however she also taught literature and folklore. She has written and edited many publications, including the books *College Girls: A Century in Fiction* (Rutgers University Press, 1995) and *The Worlds of Lucy Larcom 1824-1893* (University of Georgia Press, 1989).

Marchalonis was a University Senator for 10 years and served

on a variety of committees, both at University Park and at Berks. She established the Berks campus University Scholars Program in 1984 and directed the program for 13 years.

She was an assistant professor of English at the Wilkes-Barre campus from 1974-1980. She became an associate professor of English in 1979 and transferred to the Berks campus in 1980.

Professor moving on after 28 years at Harrisburg

After a 28-year teaching career at Penn State Harrisburg, Frank J. Swetz is moving on to other pursuits. But he's certainly not retiring.

A professor of mathematics and education, Swetz's involvement in teaching extended throughout the world as he focused on one of his favorite topics—the history of mathematics.

His most recent overseas assignment was in Malaysia, where he spent the 1995-96 academic year on a Fulbright program. First introduced to Malaysia as a Peace Corps volunteer in the 1960s, Swetz played an instrumental role in developing that nation's school system. He wrote text books which are currently used in Malaysia, has provided teacher training, and has served as an ongoing consultant for the country's university system.

Swetz has developed a unique interdisciplinary

approach to mathematics, contending it develops differently in respective cultures because the need for math arises from the needs of a given society. He has focused his teaching on "humanizing mathematics—taking the mystery out of mathematics to make learning easier." Over the years, Swetz offered such courses at Penn State Harrisburg as "Everything You Wanted to Know About Math, But Were Afraid to Ask."

When questioned on his "retirement" plans, Swetz explained, "I love teaching and interacting with students and teachers. I hope to travel; to continue teaching and writing." He is finalizing plans to spend time teaching in the Philippines and also will continue writing.

He is currently working on *The History of Chinese Math*, which focuses on the Magic Square of Order Three.

Associate director retires after long career

Ralph L. DeShong, associate director of placement and programming in Career Services (formerly Career Development and Placement Services), a division of Student Affairs, has retired after more than 30 years with Penn State.

As associate director of placement and programming, he was responsible for the coordination of the on-campus recruitment process at Penn State, one of the largest in the nation. For many years DeShong taught the course "Securing a Position in the Field of Education." He has been an affiliate assistant professor of counselor education since 1993 and also served as liaison to the College of Earth and Mineral Sciences and to the Admissions Office.

Since 1984, DeShong has served as a consultant to the Pennsylvania Department of Education. In that capacity he conducted workshops for high schools throughout the Commonwealth.

DeShong served as coordinator of Career Development and Placement Services for the Commonwealth campuses from 1977-1980. From 1972 to 1977, he held the position of assistant dean of student affairs for Commonwealth campuses, and from 1968 to 1977 he served as assistant to the dean of student affairs, Commonwealth campuses. Before joining Penn State, he was a world cultures instructor and basketball coach at The Pennsylvania Schools.

He authored and co-authored numerous articles, reports and publications both internal and external to the University. He earned a bachelor of science degree in social studies secondary education from Shippensburg University in 1965; a master's degree in student personnel administration from Penn State in 1968; and a doctor of education degree in higher education, also from Penn State, in 1976.

During his retirement, he plans to continue his consulting activities and devote time to landscaping, hiking and furniture restoration.

Emeritus rank bestowed

The following faculty member has retired from the University with the honor of emeritus rank, bestowed for his longstanding commitment and contributions to Penn State:
John D. Connor, professor of pharmacology, College of Medicine. Connor began with the University June 1, 1969, and retired Dec. 1, 1997.

Three employees retire

Donald E. Thompson, department head/senior research associate in Applied Research Laboratory, from Jan. 1, 1967, to July 1, 1997.

Everett P. Tiffany, assistant to dean of administrative services in College of Earth and Mineral Sciences, from Jan. 1, 1964, to June 30, 1997.

Priscilla C. Walters, staff assistant V in University Libraries, from Dec. 1, 1967, to July 1, 1997.

Research

Charles is not Britain's first misunderstood prince

By VICKI FONG
Public Information

This British prince has tried to create a meaningful role for himself under the shadow of a reigning queen and relentless criticism from the public and the press for being dull and arrogant. Sounds like Prince Charles in 1997. But these were the same aspersions facing Prince Albert in the 1850s.

Biographer Stanley Weintraub, who has chronicled the lives of several Victorians including Queen Victoria, now has turned his focus on the prince consort. Weintraub has conducted extensive research and uncovered new sources in archives previously untapped, even in the sale catalogues of dealers and auction houses. Memoirs, letters and newspapers also produced nuggets of information.

Weintraub paints a more personal portrait that unveils many dimensions of Prince Albert such as his boyhood traumas, exhaustive details about his courtship and passionate marriage to the queen, and the depths of his active role in critical political decisions behind the throne. This portrait can be found in the recently published book *Uncrowned King. The Life of Prince Albert*, Free Press/Simon & Schuster, a companion, or "parallel biography" to Weintraub's earlier book *Victoria: An Intimate Biography* (1987).

"Albert was one of his era's unsung great men because of what he managed to do beyond his duty. He helped uplift the monarchy, tarnished by the scandals of earlier Hanoverian rulers, and salvaged the crown as a pillar of the emerging constitutional state," wrote Weintraub, cultural historian and Evan Pugh professor of arts and humanities.

Prince Albert also did much to modernize the British monarchy and to steer his adopted country more adeptly through the Industrial Revolution, the biographer noted. He also helped thrust England's institutions and power structure into the dynamic century which, decades into it, the establishment still distrusted.

His accomplishments included serving as the mastermind behind the Great Exhibition of 1851, dubbed the first "World's Fair," as well as the champion of housing improvements for working class people and of arm reforms. He promoted the arts, sciences and technology and was an important player in foreign policy, possibly preventing England from intervening in the American Civil War.

Then-Prime Minister Viscount Palmerston was pushing the queen to



Stanley Weintraub, Evan Pugh professor of arts and humanities, has written a number of books on a variety of topics. His latest work chronicles the life of Britain's Prince Albert.

Photo: Greg Grieco

intervene in the American Civil War and support the South in hopes of disrupting the United States' emerging industrial power. Prince Albert, though feeling very ill, crafted a more diplomatic message to the U.S. president that allowed both sides to back down diplomatically from an incident involving two Confederate emissaries removed from a British ship by an American captain.

However, despite all his hard work, popularity with his peers or the public constantly eluded Albert, who was derided for his German nationality and his serious interests.

"His reward was a crown of thorns," Weintraub said. "The prince displayed remarkable understanding of his role as prince consort and shrewdly navigated his way through the personal and political channels. Like the late Princess Diana, Albert was selected to breed and ensure the

succession by producing a new generation of monarchs. In Albert's case, a love story emerged; in Charles and Diana's case, the arrangement was a failure, except for the children.

Albert's untimely death at age 42 plunged Queen Victoria into prolonged mourning and seclusion, Weintraub said.

The mark he left upon England was merely the queen's husband was far greater than that of most monarchs, Weintraub said.

"The prince's vision for the modern monarchy — ruling beyond ceremonial and symbolic purposes — died with him," he said. "The vision could not have been sustained without his intellectual qualities and his intensity of purpose. No such potential had been inherited by his wife nor his children. Had he lived longer, could he have made a difference? It's an intriguing idea."

Study targets problems in research funding

Uncoordinated federal agency efforts to shift more of the costs of doing research onto universities, coupled with overly competitive, game-like behavior by some academic grant seekers, is causing the system to break down, according to an economist.

"The system of grant-supported research that has worked so well for our society's benefit in the past is now undergoing multiple stresses and needs to be reconstituted and reformulated," said Irwin Feller, director of Penn State's Institute for Policy Research and Evaluation and professor of economics.

Feller's comments are based on his recently completed study involving the nation's top 200 research universities for COSMOS Corp., a social science think tank. Feller found that the uncoordinated way in which federal agencies attempt to shift or share research costs with universities via matching-fund or cost-sharing requirements is a particular problem. Each federal agency focuses solely on its own relationship with a university, and no agency considers the aggregate impact of the widespread and increasing use of matching and cost-sharing requirements. With more funding agencies demanding matching funds and insisting that universities cost-share, the result has been a cumulative strain on university budgets.

Feller makes four recommendations in the report:

1. Rethink and review the rationale for federal funding of academic research. The social contract metaphor — the proposition that the federal government should pay all of the costs of research because the results benefit the common good rather than the university — is no longer accepted by federal agencies.
2. Review the cumulative financial impact of federal agency matching-fund and cost-sharing requirements across agencies.
3. Increase the specificity of required levels of matching/cost sharing in the proposal selection criteria and pre-award budget negotiations.
4. Appoint an ombudsman within federal granting agencies to review university complaints about alleged deviations from policy by program managers.

INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

Staying tuned

Penn State's Jan. 1 game with Florida in the Citrus Bowl ranked No. 4 among the most-watched contests of the 1998 postseason. The clash between the Nittany Lions and Gators had an overnight rating of 9.7 for the ABC national telecast. Only the Rose Bowl (19.0), Orange Bowl (13.3) and Sugar Bowl (11.2) attracted more viewers.

Nittany Lions score again

With a 9-3 mark and a Top 20 ranking, Penn State's football team was declared the winner of the Lambert Meadowlands Trophy for an unprecedented 24th time. This marks the third time in the last four years that the Lions have captured the Lambert, which is presented annually to the top college football team in the East. Penn State also earned the Eastern College Athletic Conference Division I-A Football Team-of-the-Year Award for the fourth consecutive year. Both will be presented at a Feb. 17 banquet at the Meadowlands Sports Complex.

Director's Cup

After the fall season, Penn State is tied for 10th place in the Sears Director's Cup all-sports competition. The Nittany Lions and Lady Lions racked up 120 points in four fall sports (football, women's volleyball, field hockey and women's soccer) to share the No. 10 position with Arkansas. The only other Big Ten schools ranked in the Top 25 were Michigan at No. 3 and Wisconsin, tied for No. 14. Stanford, which defeated the Nittany Lions in volleyball championship game, is the overall leader with 290 points.

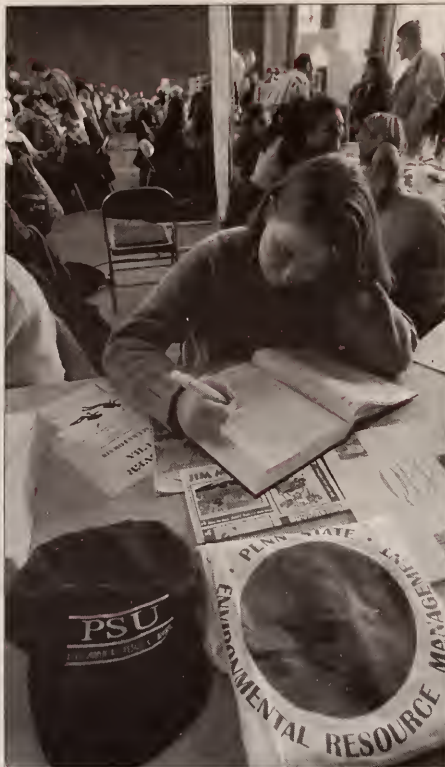
Going to the Emerald Isle

Women's track coach Teri Jordan has been selected to lead the U.S. World Cross Country Championship team, which will compete in Belfast, Northern Ireland, in 1999.

For the latest information on Penn State Sports, visit the official Intercollegiate Athletics' Web site: <http://www.psu.edu> (Click on sports).

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No time to waste

Kate Stone studies while she staffs her group's table at the Student Involvement Fair on the University Park campus. Her group, the Environmental Resource Management Club, was one of 180 student and departmental organizations represented at the event that was held on Jan. 21 in the HUB.

Photo: Greg Grieco

Report on college costs is released

The National Commission on the Cost of Higher Education, a group established last August to study the cost of attending college, has put together an ambitious action agenda with 42 recommendations for both policymakers and schools to follow.

The 53-page report, which can be found in full on the Web at <http://www.acenet.edu/programs/DGR/costreport.HTM>, was released Jan. 21 and takes a hard look at the complex issues surrounding higher education costs.

In the report, the 11-member commission acknowledges that concerns over the rising

costs of college are real, but not always based on factual information. The report recommends that institutions provide comprehensive, easy-to-understand information of cost and price issues.

Among some of the recommendations included in the report are the idea that institutions should redouble efforts at cost control and focus resources on a few priority areas where excellence can be sustained. The report calls for increased accountability to the general public and greater affordability and accessibility. The report also calls for new partnerships among institutions and a "fresh approach" to academic regulation on the part of government at all levels. Streamlining of student aid by states and the federal government is also sought.

"This is a fair and balanced report," Stanley O. Ikenberry, president of the American Council on Education, said. "I have asked all colleges and universities to consider the recommendations with care and to place this issue high on the agenda."

There are about 3,700 not-for-profit colleges and universities in the United States.

Find the report on the Web

www.acenet.edu/programs/DGR/costreport.HTM

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Volume 27, Number 19

Co-chairs chosen for upcoming campaign

Faculty members Gerald and Elizabeth Susman will co-chair the faculty/staff initiative of Penn State's forthcoming capital campaign.

The Susmans will serve on the campaign's executive committee and lead nearly 30 volunteer representatives from the University's academic colleges and administrative units. These volunteers will focus on promoting participation among the faculty and staff in their respective units.

Rodney Kirsch, vice president for Development and Alumni Relations, said that combined the two Susmans have more than 40 years of service to Penn State.

"Faculty and staff know firsthand the University's most critical needs," Kirsch said. "They also realize that their own commitment to helping Penn State is a source of inspiration to alumni and friends. So the Faculty/Staff Campaign is important not only to the dollars raised, but to the overall participation rate."

The goal of the coming campaign is to increase endowment support for the stu-

See "Susmans" on page 3

Athletics undergoing NCAA certification

The University has embarked on a year-long, campus-wide effort to study its athletics program as part of the NCAA Division I athletics certification program. Specific areas the study will cover are academic and financial integrity, and rules compliance, as well as a commitment to equity.

Academic accreditation is common in colleges and universities. This National Collegiate Athletic Association program is the first to focus solely on certification of athletics programs. The purpose of the certification is to ensure integrity in Penn State's athletics operations, and the process will open up athletics to the rest of the University community and to the public.

See "NCAA" on page 3

Innovative thinking



No "cheat sheets" in this class

An undergraduate in The Smeal College of Business Administration concentrates on her test, which she is viewing on a laptop computer. Smeal recently pilot tested the electronic exam that is expected to help solve logistical problems when scheduling large exam sections. The e-test should also increase exam security.

Photo: Dawn Harbst

Electronic test being touted as "breakthrough" for Smeal College

By CHARLES C. DuBOIS
The Smeal College

The Smeal College of Business Administration has pilot tested an electronic exam that promises to beat a serious numbers crunch, while helping to assure academic fairness at the same time.

In their junior year, all Smeal undergraduates are

required to take a package of four concurrent classes. This core, part of the college's new Curriculum for Undergraduate Business Education (CUBE) helps students gain an integrated understanding of how the world of business really works. A first among the major American business schools, the down side of this innovation is that upwards of 2,000 students could

See "Testing" on page 2

Inside



Big lineup

The Community Arts Center in Williamsport, part of Penn College, has a star-studded string of performers planned for spring, including Bill Cosby and David Copperfield. For more information, please turn to page 6.



Benedictine beginnings

A Penn State researcher has traced the beginnings of deaf education to the religious beliefs of a 16th-century Benedictine monk in Spain. For more on this story, turn to Focus on Research on page 11.

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Testing

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be taking the junior core all at once — a major load, particularly when it comes to test times.

"With these numbers, it is a real challenge for us to schedule all the test sites, the proctors and other logistical details, while assuring fairness and exam security," said James B. Thomas, Smeal senior associate dean.

To accommodate the full testing schedule, the college co-developed an electronic testing system with University Testing Services, that college administrators are touting as a "real breakthrough."

At the heart of the new system is a secure server networked to classrooms in the Business Administration Building and Keller Conference Center on the University Park campus. Using a tailored version of Examiner software, the server offers up individually customized versions of the test to each test taker. Each test touches on all the same principles, but the form of the questions and the order of the multiple-choice answers are different for each test taker. Students make their selections on laptop computers, modified so that they are only able to deal out the test questions and report the student's individual score once he or she is done. Students can scroll back and forth through the test and change tentative answers until they submit the completed exam.

The pilot test — given in early December — was administered to 370 students enrolled in one section of business administration. (Another 1,200 students in the section took a paper version of the test.) Students signed up for one of 10, 75-minute sessions open over the course of two days. Each session was proctored and technical support personnel were on hand in the event of a hardware, software or server malfunction. Only two of the 80 laptops involved developed problems and backups were provided. Photo IDs of all students were checked.

"We really took a step forward in integrity," said Scott Snell, in whose class the exam was tried out. The acid test, the associate professor of business administration said, was whether results from the computer-based exam and a paper-based control exam were the same. They were within a hair.

Judith Ray, Smeal research associate and coordinator of the project, affirmed that the mean score from the paper tests was 79.5, and 79 from the computer-based tests. Further, she indicated, there was no evidence of "grade migration" — an upward trending of scores during the test period.

Not only does this new system promise to help

This portable, scalable testing system may prove to be widely applicable — filling needs in both low-stakes testing (open-book quizzes) and high-stakes testing (finals).

surmount the logistics issues in Smeal's undergraduate business core, it has broader and more sophisticated promise. Versions of the practice already have been used in the college and elsewhere in the Penn State system for teaching and mastery testing (See related story on this page). Video clips and sound bites can be added to the test mix. Exams can be made to self-modify as students work their way through them. And more.

"The lid is really off with how complicated you can make it — everything from simple memory tests to reasoning and applying skills," said Ralph H. Locklin, research associate with University Testing Services. Locklin customized the software involved and collaborated with the Smeal team.

Because the system is tamper-resistant, Locklin said it could open the way for licensed tests, such as the Graduate Management Admissions Test (GMAT), to be administered at the University Park campus, saving students a 90-mile drive to the closest current official test site in Harrisburg.

According to Ray and others, students were mixed in their reactions to the new tests.

"One student who had railed against the test said on leaving the exam, 'That wasn't so bad,'" Ray said.

The Smeal College purchased new IBM Thinkpads for the project and had a secure cart in which to store and move them built by the Office of Physical Plant. Mark Boltz, the college's network coordinator, oversaw system security, taking steps to ensure that information and communications could neither enter nor leave the testing environment. Boltz also made it impossible to e-mail the test to someone else or to seek help or answers from someone outside. The external drives of the computers were temporarily disabled so that electronic "cheat sheets" in the form of CDs or floppies could not be used, and copies of the test could not be made.

Locklin believes the portable, scalable system worked out by the college and UTS may prove to be

Tool can teach as well as test

While The Smeal College's venture into electronic testing was the first known of its scale and kind at Penn State, use of the tool is not new here.

Ralph H. Locklin, research associate with University Testing Services, said faculty members in Smeal and other colleges and departments have been experimenting with forms of electronic testing for some time — among them James A. Miles, professor of finance and the Joseph F. Bradley Fellow.

Collaborating with colleague J. Randall Woolridge, Miles has been using it for about three years and finds it particularly effective in teaching arithmetic concepts, such as foreign exchange and interest rates. In simplified form, students take an electronic quiz, find out how they did, then retake it — not getting the same question, but an alternative that tests them on the same concept. One of Miles and Woolridge's quizzes might present a total of 20 questions, but each would have five or six variants.

"You'd have to take it thousands of times to take exactly the same quiz again," Miles explained.

Students, he said, like the approach. The one downside has been that exercises only can be taken in computer labs, which can be crowded and noisy. Still, Miles finds electronic testing effective.

"Some things you can show students, but once isn't enough," he said. "This provides an opportunity for repetition and practice."

"To be a passive recipient of a professor giving a monologue isn't always pleasant," Miles said. "This makes students more active participants, a key to learning."

— C. DuBois

widely applicable — filling needs in both low-stakes testing (open-book quizzes) and high-stakes testing (finals). All members of the development team were asked to keep journals during the project and details of the system's development are expected to be available in a forthcoming white paper.

25-year Awards



JUDY LEONARD



LEONARDO RIFIORGIATO



CHARLES HEUSER



JAMES LOCKER



GERALD ROGERS



PEG SHAFFER

Observing 25 years of service at the University are, from left, Judy Leonard, staff assistant VIII in the Department of Education Policy Studies, College of Education; Leonard Riferiorgiato, associate professor of history at Penn State Shenango; and Charles Heuser, associate professor of horticultural physiology, James Locker, coordinator of equal opportunity and affirmative action, Gerald Rogers, research technician in agronomy, and Peg Shaffer, staff assistant VIII at the Fruit Research and Extension Center, all in the College of Agricultural Sciences.



ELIZABETH AND GERALD SUSMAN

Photo: Greg Grieco

Susmans

continued from page 1

dents and faculty of Penn State, focusing on undergraduate scholarships, graduate fellowships, and faculty and program support. The dollar goal and kick-off date for the campaign will be announced later.

"We have been involved in Penn State's development initiatives for several years and have found the experience to be deeply gratifying," Gerald Susman said. "We welcome the opportunity to encourage faculty and staff to participate in the forthcoming campaign."

The Susmans said that their goal is to acquaint faculty and staff with the rewards and benefits of giving.

"Penn State has given us so much," Elizabeth Susman noted. "We want to give something back, and we know that so many others want to do the same."

Elizabeth Susman is the Jean Phillips Shibley professor of biobehavioral health in the College of Health and Human Development, and has been with the Penn State faculty since 1986. She earned her bachelor's, master's and doctoral degree from Penn State in the 1970s. She directed Penn State's Center for Child and Adolescent Health and Behavior from 1992 to 1996, and is a member of the steering committee for Health Futures II, a government-sponsored initiative focusing on research and health policy for youth in the 21st century. Her other recent activities include co-editing the *Journal of Research on Adolescence* and chairing the credentials committee for the developmental psychology division of the American Psychological Association.

Gerald Susman is the Robert and Judith Klein professor of management in The Smear College of Business Administration, and has been with the Penn State faculty since 1969. He has chaired the Department of Management and Organization in The Smear College since 1991, and directed the Center for the Management of Technological and Organizational Change since 1985. His recent activities include editing the forthcoming book *Defense Diversification*, which consists of papers presented at the Second Klein Symposium on the Management of Technology, held on the University Park campus last September. He also presented papers last year before the Academy of Management and the Portland International Conference on the Management of Engineering and Technology.

NCAA

continued from page 1

NCAA officials and University leaders said that Penn State will benefit by increasing awareness and knowledge of its athletics program campus-wide. The certification process will allow the University to confirm its strengths and develop plans to improve in areas of concern. "This process is an opportunity for Penn State to have a broad-based group of the University community evaluate the internal control systems to ensure our continued compliance and high standards of performance," said John J. Coyle, NCAA faculty representative for Penn State and professor of business administration.

"Those of us who have been responsible for the development and implementation of this system feel that such a review by internal and external groups is not only beneficial, but also educational. It will help to further our legacy of quality and integrity," Coyle said.

Following a pilot project, the NCAA Division I membership overwhelmingly supported the certification program and its standards at the 1993 annual convention. Penn State was one of the participants in the pilot NCAA athletics certification process four years ago.

The committee responsible for the study includes: President Graham B. Spanier; William W. Asbury, chair of the steering committee and vice president for student affairs; various members of the University faculty and staff; as well as athletics department personnel. A member of the NCAA compliance services staff traveled to the campus last month for a one-day orientation visit to meet with the committee and its subcommittees.

Within each area to be studied by the committee, the program has set standards adopted by the NCAA to allow it to evaluate all Division I members. The University also will examine how the activities

of the athletics program relate to the mission and purpose of the institution.

Once Penn State has concluded its own study, an external team of reviewers will conduct a three- to four-day evaluation visit to campus. Those reviewers will be peers from other colleges, conference offices and universities. This peer team will report to the NCAA Committee on Athletics Certification, another independent group. The committee will then determine the University's certification status and announce the decision publicly. For institutions that fail to conduct a comprehensive self-study or to correct problems, tough sanctions can be imposed.

The three options of certification status are: certified, certified with conditions and not certified. Universities have an opportunity to correct deficient areas, and those that do not take corrective actions may be ruled ineligible for NCAA championships.

The NCAA is a membership organization of colleges and universities that participate in intercollegiate athletics. The primary purpose of the association is to maintain intercollegiate athletics as an integral part of the educational program and the athlete as an integral part of the student body. Activities of the NCAA membership include formulating rules of play for NCAA sports, conducting national championships, adopting and enforcing standards of eligibility, and studying all phases of intercollegiate athletics.

Comment is invited from the student body, members of the faculty/staff and the general public on Penn State's athletics program. A special e-mail address (ncaacertify@psu.edu) has been established to collect opinions and suggestions from outside constituencies. Comment also may be submitted in writing to: Director of Athletics, 101 Bryce Jordan Center, University Park, Pa. 16802.

Governor signs sports agent legislation

Gov. Tom Ridge signed legislation last week requiring sports agents to register with the Pennsylvania Athletic Commission.

The push for the new law, which takes effect in 60 days, was stepped up recently after Nittany Lions' running back Curtis Enis lost his collegiate eligibility for accepting clothing from Houston-based agent Jeff Nalley.

Under the law, sports agents — who must also be bonded — are barred from soliciting clients in Pennsylvania if their

conduct leads to sanctions against an athlete, school or professional team. Agents with criminal records would be prohibited from obtaining an athletic agent registration in the state. If an agent makes an offer or enters into any agreement with student-athletes before college eligibility has expired, the commission is authorized to suspend or revoke licenses and impose fines.

The State Athletic Commission regulates professional and amateur boxing, kick boxing and certain types of wrestling.

Obituaries

Orpha M. Bubb, maid, Housing and Food Services, from May 1, 1939, until her retirement May 1, 1964; died Dec. 2, 1997, at the age of 95.

Earl W. Burd, training specialist, Commonwealth campuses, Office of Physical Plant, from Jan. 16, 1967, until his retire-

ment April 1, 1984; died Dec. 1, 1997. He was 79.

Lynn F. Cramer, assistant supervisor, herdsman, College of Agricultural Sciences, from June 1, 1949, until his retirement July 1, 1973; died Jan. 8 at the age of 89.

LECTURES

Series of events to focus on issues affecting women

The Center for Women Students is offering a host of events on the University Park campus during the spring semester intended to educate and enlighten the University community about issues affecting women. A spring schedule follows:

February

■ **Wednesday, Feb. 11:** CWS Sexual Assault Awareness/Prevention Event: "Mock Acquaintance Rape Trial." The Hon. David E. Grine, Tony DeBoer, assistant district attorney, and Ron Rojas, assistant public defender, in Centre County, will assume their professional roles with students playing the roles of the victim and defendant. A student jury will be selected from the audience; 112 Kern at 7 p.m.

■ **Friday, Feb. 13:** CWS Sexual Assault Awareness/Prevention Event: "Relationship Violence" is a discussion about dating violence held in coordination with V-Day, a national event to end violence against women. Facilitated by Linda LaSalle, assistant director, CWS Resource Room, 120 Boucke, noon.

March

■ **Wednesday, March 4:** "Women and AIDS," a brown-bag lunch series facilitated by Sandra Faulkner, graduate assistant, CWS Resource Room, 120 Boucke, noon.

■ **Tuesday, March 17:** "Sex, Lies and Statistics: Mapping the Global State of Women," presented by Joni Seager, associate professor and acting chair of the Department of Geography, University of Vermont, as part of the Women's Studies Feminist Scholars Series. Talk takes place at 4 p.m. in 112 Kern.

■ **Tuesday, March 24:** Women Making History at Penn State will feature women students, faculty and staff discussing the progress women have made at Penn State. Participants include: Debbie Atwater, head of the Department of African and African American Studies; Sabrina Chapman, director, Center for Women Studies; Tineke Cunningham, chair, Commission for Women; Lynne Goodstein, associate dean for operations and planning, The Graduate School; Jamie Klingner, USG director of town affairs; and Vivian Pina, undergraduate student in speech communications, with a

minor in women's studies. HUB Gallery Lounge. Reception begins at 5:30 p.m.; program from 6-7 p.m.

■ **Wednesday, March 25:** "Equality and Individualism — The Women's Suffrage Campaign in Thayer County, Nebraska 1879-1882," facilitated by Carmen Heider, doctoral candidate in speech communication. Part of the CWS Brown-Bag Lunch Series in 120 Boucke, at noon.

April

■ **Wednesday, April 1:** Film/discussion on "Out in Suburbia," will be facilitated by Susan DelPonte, staff assistant, and Linda LaSalle, assistant director, as part of the CWS Brown-Bag Lunch Series in 120 Boucke Building, noon. This film features interviews with 11 lesbians of all ages living in suburban settings. Presented in conjunction with Lesbian, Gay, Bisexual Pride Week, March 30-April 5.

■ **Thursday, April 2:** "The Third Eye: On Cannibalism and Historical Memory in Film," presented by Fatimah Tobing-Rony, visiting assistant professor of Asian American studies, University of California at Los Angeles, as part of the Women's Studies Feminist Scholar Series. The talk begins at 4 p.m. in 101 Kern Building.

■ **Wednesday, April 15 and Thursday, April 16:** CWS Sexual Assault Awareness/Prevention Event — Penn State Clothesline Project: Bearing Witness to Violence Against Women. Our community's own display of T-shirts made by survivors, family members and friends of survivors of violence. HUB Fishbowl Wednesday, noon to 9 p.m. (opening ceremony at noon); Thursday, 10 a.m.-7 p.m. (closing ceremony at 7 p.m.)

■ **Tuesday, April 21:** "Surviving Violence and the Struggle to Heal," with Jeremy Brown, sexual trauma advocate, Rockland Family Shelter, New City, N.Y., in the HUB Gallery Lounge, 7 p.m.

■ **Wednesday, April 22:** Take Back the Night Rally and March — An annual event aimed at raising awareness about the violence and fear women encounter while walking at night. Co-sponsored with Womyn's Concerns. Rally begins at 6 p.m., Old Main steps, followed by the march.

Genetics of diseases topic of Feb. 7 lecture

"Genetics of Human Diseases" is the title of the fifth lecture in the 1998 Penn State Lectures on the Frontiers of Science series. The talk, to be given by Ellen Hess, assistant professor of neuroscience and anatomy at Penn State, is open to the public and will be given from 11 a.m. to about 12:30 p.m. Feb. 7, in the Kern Graduate Center auditorium on the University Park campus.



ELLEN HESS

Hess is an expert in the genetic control of neurologic disorders, particularly behavioral disorders. She will discuss recent advances in both genetics and neuroscience and how these advances may impact the diagnosis and treatment of inherited neurologic and psychiatric diseases.

The 1998 Penn State Lectures on the Frontiers of Science series is focus-

ing on the topic of "The Human Brain and the Human Mind." Designed for the enjoyment and education of central Pennsylvania residents, the free lectures take place on eight consecutive Saturday mornings.

The remaining events in the spring 1998 Penn State Lectures on the Frontiers of Science include:

■ **Feb. 14:** "Attention Deficit Disorders," by Robert E. Kennedy, clinical psychologist and neuropsychological consultant at Centre County Hospital;

■ **Feb. 21:** "Schizophrenia," by Anthony A. Grace, professor of neuroscience and psychiatry at the University of Pittsburgh; and

■ **Feb. 28:** "Medicines for the Mind," by Joan M. Lakoski, associate professor of pharmacology and anesthesia at Penn State.

Physician speaks on need to better understand pathogenesis of obesity

Dr. Jules Hirsch, professor and senior physician at the Rockefeller University, will speak on "Pathophysiology of Obesity" in the Life Sciences Consortium's Colloquium at 4 p.m. Tuesday, Feb. 10.

The colloquium will be videoconferenced from 101 Thomas Building to Room L-3621 at The Milton S. Eshery Medical Center and to several other campus locations.

Hirsch received his M.D. from Southwestern Medical School, University of Texas, Dallas, and an honorary doctor of science degree from the State University of New York. He is a con-



JULES HIRSCH

sultant in nutrition at Strang Cancer Prevention Center and on the advisory board of The Medical Letter.

Hirsch said, "that in spite of extraordinary efforts to educate the public about the hazards of obesity, this unfortunate disorder is increasing in prevalence, particularly in lower socioeconomic groups in the United States. A variety of commercial efforts that offer diets, behavior

modification and programs of physical activity have not stemmed the tide. Clearly, a better understanding of the pathogenesis of obesity is very much needed."

Lecture at Fayette Feb. 19 to examine right-wing extremism in America

Penn State Fayette will host Allen Sapp, professor of criminal justice at Central Missouri State University, for a lecture on "Right-Wing Extremism in America," at 2 p.m. Thursday, Feb. 19, in the Williams Building Auditorium.

Sapp received his doctorate in criminal justice from Sam Houston State University and holds a master's degree in guidance and counseling from the University of Southern California. He is a certified law enforcement instructor in several states and is a commissioned deputy sheriff and a member of the Central Missouri

Rural Crime Squad. He served 21 years in the U.S. Air Force in the field of intelligence. Sapp, who has been on the faculty at Central Missouri State since 1982, has been a consultant to more than 100 law enforcement agencies at local, county, state and national levels. He is currently a consultant with the FBI Critical Incident Response Group.

Sapp has published more than 100 articles, monographs, book chapters and books on law enforcement education, training, conduct, labor relations and the future.

More Lectures

Talk deals with homophobia, censorship, family values

"Heather's Mommy Speaks Out: Homophobia, Censorship & Family Values," a lecture by Lesléa Newman, Jewish lesbian author and teacher of writing workshops, will be presented at 5 p.m. Thursday, Feb. 12, in 102 Thomas Building on the University Park campus.

Newman is author of more than 25 books of adult and young adult fiction, non-fiction, novels and poetry, but is perhaps best known as a writer of children's books about gay families, including *Out of the Closet and Nothing to Wear*, *Heather Has Two Mommies and a Letter to Harvey Milk*. In her lecture, Newman will be discussing current issues facing lesbian and gay families.



LESLEA NEWMAN

Newman has received several literary awards including a 1997 Poetry Fellowship from the National Endowment for the Arts and the 1995 Community Services Award from the Massachusetts Lesbian and Gay Political Caucus.

While on campus, she will be interviewed on "Take Note" (Feb. 11) and on "The Purple Rabbit Show" (Feb. 13). She

will be signing books at Svoboda's at noon on Feb. 12.

This lecture is a continuing and distance education service of the Commission for Lesbian, Gay and Bisexual Equity and supported by a grant from the Equal Opportunity Planning Committee.

Forum to show use of technology in teaching

Faculty, staff and graduate students are encouraged to attend this year's Sixth Annual Teaching and Learning with Technology Symposium, a forum for sharing ideas and experiences in using technology. The symposium is scheduled for Saturday, April 4, from 9 a.m. to 3 p.m. at the Joab L. Thomas Building, University Park.

The event will begin with keynote speaker Carol A. Twigg, vice president of Educum — a nonprofit consortium of 600 colleges and universities dedicated to the transformation of higher education through the application of technology.

Twigg's keynote speech will address how the diverse nature of students, the widespread availability of powerful information technologies and the growing awareness about how students learn contribute to the way learning is defined. Her presentation will discuss the need to create new ways of delivering higher education that respond to this new defini-

tion of learning and that overcome the shortcomings of the current "one-size-fits-all" approach to teaching.

Many of the presentations at this symposium will demonstrate a specific use of technology, and also open doors to ideas and different implementations for other faculty and courses.

Registration is required. To register, call the seminar hotline at (814) 863-9522.

Presenter, agenda and schedule information will be available at the following Web site by March 1: <http://cac.psu.edu/ets/seminars/tlt.html>.

This event is sponsored by The Center for Academic Computing and co-sponsored by the Department of Distance Education, the Center for Learning and Academic Technologies, the College of the Liberal Arts and the IDP Center for Excellence in Learning and Teaching.

Please contact Carl Howlin at cxh25@psu.edu or at (814) 863-5769 for more information.

Hershey plans full slate to celebrate Social Work Month

In celebration of Social Work Month, The Milton S. Hershey Medical Center will host a lecture series designed to increase awareness of social work roles in various settings and social work education. The programs will be held on the first four Tuesdays in March from 8 a.m. to noon.

An application has been filed with the State Board of Social Work Examiners. Participants can earn social work credit hours at the rate of three per day or 12 for completing the entire series.

The dates, topics and presenters for the series follow:

■ March 3

— Session 1: Maintaining Wellness on the Front Lines: A Consideration Through Music and Film

— Session 2: Maintaining Wellness on the Front Lines (continued)

■ March 10

— Session 1: Survival Tips in Time/Stress Management and Other Organizational Issues for Social Workers

— Session 2: Documentation, Liability and Ethical Issues for Social Work Professionals

■ March 17

— Session 1: Geriatric Assessment and Intervention

— Session 2: Legal Interventions and Problem Solving for the Geriatric Population

■ March 24

— Session 1: Dealing with Diversity: A Developmental Model of Intercultural Sensitivity

— Session 2: Communicating Across Cultures: Insights from Anthropology and Sociology

There will be a networking luncheon from noon to 1 p.m. on March 24. Enrollment for the education series is limited, and pre-registration is required. The deadline for registration is Feb. 17. The fee for completing the education series is \$30. All course materials will be provided. For more information or to register, call the Hershey Medical Center's Department of Continuing Education at (717) 531-6483.

Study abroad program is open to all

Students at all Penn State locations may participate in the four-week, four-credit course offered in Trier, Germany, by Penn State Erie, Behrend College. The program, under the direction of Stephen deHart, associate professor of German and humanities, is offered May 13-June 11 by the School of Humanities and Social Sciences at Erie. Deadline for application is Feb. 13.

Trier was founded in 16 B.C. during the rule of Emperor Augustus, and many of the buildings from the Roman period still survive. Located in westernmost Germany, Trier is a short distance from Luxembourg, France, the Netherlands and Belgium. Named Europe's "Cultural City" in 1995, Trier attracts about 3.5 million tourists annually.

In addition to travel, participants

in the Trier program will be able to take one of the following Penn State four-credit courses: intermediate German, German conversation and composition, international business (graduate level) or independent study in Germany.

During the study abroad program, classes will meet Monday through Thursday in local settings that will help participants absorb the German language quickly.

The trip is open to faculty, staff and students from all colleges and universities as well as members of the community. This year's tour includes round-trip transportation, lodging in two and three person rooms and side trips. For more information about the program, call deHart at (814) 898-6448 or e-mail sad2@psu.edu.

Courses

Health Matters Programs

To register for the following program offerings on the University Park campus, please see your *Health Matters* brochure or contact Jan Hawbaker at (814) 865-3085 or JQH13@psu.edu.

Sneeze Not! — WEL 128

Plagued by chronic or recurrent sinus congestion, watery eyes and sneezing? Come to this class to learn how you can use a combination of dietary and environmental changes to prevent them. Meets Friday, Feb. 6, from noon to 1 p.m., 110 Henderson Building (The Living Center). Cost: Free.

Reiki — WEL 134

Learn how Reiki (ray-key) can accelerate the body's ability to heal physical ailments, induce relaxation and open the mind and spirit to the causes of disease and pain. Meets Monday, Feb. 9, from noon to 1 p.m., 301A Agricultural Administration Building. Cost: \$5.

Why Weight? — WEL 142

Discussion on nutritional facts; learn how you can maintain/obtain a healthful weight without feeling deprived. Meets Friday, Feb. 13, from noon to 1 p.m. in 110 Henderson Building (The Living Center). Cost: Free.

ARTS & ENTERTAINMENT

AT PENN STATE



Mind-bending

Carmine L. Jeter (as a Cairo madhouse resident) carries around her alter-ego in a scene from *Peer Gynt*. The show is being presented by the Tony Award-winning National Theatre of the Deaf in both sign language and spoken word at 8 p.m. Friday, Feb. 6, in Eisenhower Auditorium on the University Park campus. Tickets are \$22.50 for general admission and \$18.50 for students. For more information, call (814) 863-0255 or (800) 278-7849.

Jazz at Mont Alto

Jazz saxophonist Alfonso Blackwell performs at Penn State Mont Alto at 8 p.m. Tuesday, Feb. 10, in the General Studies Building Auditorium. Blackwell, a New York native, began playing saxophone at age 11 and went on to attend the High Performing Arts School in Manhattan. After performing in clubs throughout his college career, Blackwell released his debut album, *Let's Imagine...*, in 1995. The album quickly became a Top 15 hit on *Billboard* magazine's Contemporary Jazz Album Chart.

The event is free to the public. For information, call (717) 749-6156.

String trio at Behrend

The String Trio of New York, a chamber jazz ensemble, will perform at noon Wednesday, Feb. 11, at Penn State Erie, Behrend College. The group's performance, which is free to the public, takes place in the Winter-

garden of the Reed Union Building. Guests may bring a brown-bag lunch.

The trio, which includes James Emery on guitar, John Lindberg on bass and Diane Monroe on violin, has performed acoustic improvisations and compositions for violin, guitar and bass throughout North America, Europe, Asia, India, the Middle East and North Africa since its formation in 1977.

The performance continues Music at Noon: The Logan Wintergarden Series, which brings world-class musicians to the college to perform in an informal setting. For more information, call (814) 898-6171.

Jazz group at Beaver

Penn State Beaver will present a concert by INSYNK, a five-piece jazz group, at 7:30 p.m. Wednesday, Feb. 11, in the Study Learning Center auditorium. The concert is free to the public.

Formed in 1990, the group includes some of the best talent in the jazz-fusion arena.

For more information, call (412) 773-3953.

Bach's Lunch

The Penn State Chamber Singers, directed by D. Douglas Miller, professor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 12, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Chamber Singers will perform works from their annual "Celebration of Love" concert repertoire.

The 16 members of the Chamber Singers also will be featured in an April 23 concert in the Music Building Recital Hall on campus. This concert will serve as the opening activity for a celebration of mixed-choir singing at Penn State.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in Eisenhower Chapel. Coffee and tea will be provided.

Montage Concert

The School of Music will present its annual Montage Concert at 8 p.m. Friday, Feb. 13, in Eisenhower Auditorium on the University Park campus.

The concert features a large variety of ensembles from the School of Music, with more than an hour of continuous music performed from a dozen different vantage points inside the auditorium.

Tickets are \$4.50 for general admission, \$3.50 for students, and are available at the Arts Ticket Center or by calling (814) 863-0255. For more information call Pete Kiefer at (814) 863-2911 or Jim Lyon at (814) 863-4411.

"Celebration of Love"

The Penn State Chamber Singers, conducted by D. Douglas Miller, professor of music, will present their 12th annual "Celebration of Love" performance at 7:30 p.m. Saturday, Feb. 14, in the lobby of Old Main on the University Park campus.

The evening consists of vocal chamber music sung by the 16 members of the Chamber Singers, interwoven with poetic reading of love texts by emeritus theatre professors Helen and Lowell Manfull and two student actors, plus harp music performed by Elizabeth Asmus.

Tickets are \$12 and can be purchased in advance by calling (814) 863-2142 or by writing to 114 Arts Building, University Park, Pa. 16802. A reception will be held in the lobby of the lobby afterward.

Willie Nelson at arts center

The Community Arts Center in Williamsport, part of Penn College, will host Willie Nelson, one of songwriting's most enduring creators, for

a intimate acoustic evening at 7:30 p.m. March 20.

Some of Nelson's most enduring songs and recordings include "Crazy" (written for and recorded originally by Patsy Cline), "On the Road Again," "Night Life," "Mamas, Don't Let Your Babies Grow Up To Be Cowboys" and "Blue Eyes Cryin' In The Rain."

Nelson will be accompanied by his regular band, Spirit, in an all-acoustic setting.

Tickets are \$30, \$25 and \$20 and go on sale at 10 a.m. Saturday, Feb. 7.

Other events at the center this year include:

■ "West Side Story," the Broadway hit, at 7:30 p.m. Tuesday, Feb. 10. Tickets are \$33, \$25.50 and \$20.50.

■ *Peking Acrobats* at 7:30 p.m. Thursday, Feb. 12. Tickets are \$18.50, \$15.50 and \$12.50.

■ Paula Cole, singer/songwriter, at 7:30 p.m. Friday, Feb. 13. Tickets are \$25 and \$20.

■ The Williamsport Symphony Orchestra at 8 p.m. Saturday, Feb. 28. Tickets are \$37, \$32, \$26, \$21, \$18 and \$12.

■ Red Star/Red Army Chorus and Dance Ensemble at 7:30 p.m. March 2. Tickets are \$20 for adults and \$10 for students.

■ "Damn Yankees," the 1955 musical, at 7:30 p.m. March 5. Tickets are \$33, \$25.50 and \$20.50.

■ The magic of David Copperfield in "Dreams and Nightmares," 5:30 and 9 p.m. March 16 and 17. Tickets are \$45, \$39.50 and \$29.50.

■ Clay Crosse and Jaci Velasquez, two of the hottest names in contemporary Christian music, at 7:30 p.m. March 19. Tickets are \$15.50, \$13.50 and \$10.50.

■ Willie Nelson will appear at 7:30 p.m. on March 20.

■ Paul Anka, the entertainer with five decades of show experience, at 7:30 p.m. March 26. Tickets are \$32.50 and \$22.50.

■ The Flying Karamazov Brothers, comedy and Vaudeville, at 7:30 p.m. April 1. Tickets are \$20, \$18 and \$16.

■ The Williamsport Symphony Orchestra at 8 p.m. April 4. Tickets are \$33, \$26, \$21, \$18 and \$12.

■ *Sesame Street LIVE!* "Let's Play School," April 17 and 18. Times and ticket prices vary.

■ "How to Succeed in Business Without Really Trying," singing and dancing, at 7:30 p.m. April 21. Tickets are \$33, \$25.50 and \$20.50.

■ Bill Cosby will appear for two shows at 6:30 and 9 p.m. April 25. Tickets are \$65, \$40 and \$22.50.

■ Roger Williams, the greatest-selling pop pianist of all time, at 7:30 p.m. May 1. Tickets are \$25, \$20 and \$16.

■ The Williamsport Symphony Orchestra at 7:30 p.m. May 12. Tickets are \$37, \$32, \$26, \$21, \$18 and \$12.

For tickets or more information, call (717) 326-2424 or (800) 432-9382.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, February 6
Jennifer Streib, gallery talk on "The Hudson River School Landscape," 2 p.m., Christoffers Lobby, Palmer Museum.
"Peer Gynl, National Theatre of the Deaf," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
Steven Grazzini, piano, 8 p.m., Recital Hall.
Saturday, February 7
Mingus Big Band, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
Sunday, February 8
Jennifer Pawloski, gallery talk, 2 p.m., Palmer Museum.
Sara Hopkins, voice, Kimberly Reese, horn, recital, 3 p.m., Recital Hall.
Katrina Neville, voice, student recital, 8 p.m., Recital Hall.
Monday, February 9
Jaime Thorne, horn, student recital, 8 p.m., Recital Hall.
Wednesday, February 11
"Bad Girls" by Lorilyn Jirges, 8 p.m., The Playhouse, through Feb. 14. For tickets, call (814) 863-0255.
Kelly Howdyshe, trumpet, graduate recital, 8 p.m., Recital Hall.
Thursday, February 12
The Penn State Chambers Singers, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.
Black History Month Presentation, The Penn Stater.
Friday, February 13
"Mike Evock," concert, noon, Kern lobby.
Robin Seymour, gallery talk on "Contemporary Art at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.
"Celebration of Love," student preview, 7:30 p.m., Old Main. For tickets, call (814) 863-2142.
School of Music Montage, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
Saturday, February 14
Reception and concert, "Celebration of Love," 7:30 p.m., Old Main. For tickets, call (814) 863-2142.
William Kindermar, piano, guest recital, 4 p.m., Recital Hall.
"Street Sounds," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
Dana Louder, voice, graduate recital, 8 p.m., Recital Hall.
Sunday, February 15
Organ Studio Recital, 2 p.m., Recital Hall.
"Story Time" by Jan Kinney, 2 p.m., Special Exhibition Gallery II, Palmer Museum.
Vanbrugh Quartet, 3 p.m., Schwab auditorium. For tickets, call (814) 863-0255.
Meredith Hunter, voice, student recital, 4:30 p.m., Recital Hall.
Michael Rider, voice, student recital, 8 p.m., Recital Hall.

SEMINARS

Friday, February 6
Joyce Illseder-Kaye and Jennifer Harp on "Recognizing and Referring Students in Crisis," noon, 305 HUB.
Trudy Suchan on "Categories in Geographic Representation: Common Conceptions Meet Formal Definitions of Rural," 4 p.m., 206 Walker.
Daniela Neu on "The Retreat of Thinking: The Question of the Body at the Threshold," 4 p.m., 124 Sparks.
Saturday, February 7
Ellen Hess on "Genetics of Human Diseases," 11 a.m. to 12:30 p.m., Kern auditorium.
Monday, February 9
Francesco Mauri on "Phono Softening and Superconductivity in Tellurium Under Pressure," 11 a.m., 339 Davey Laboratory.
Mark Hayward on "The Long Arm of Social Class: The Relationship of Childhood Socioeconomic Status and Late Life Health," 12:15 p.m., Earth and Mineral Sciences Museum Gallery, Steidle.
William Bowers on "USDA's Natural Resources and Conservation Service (NRCS)," 12:20 p.m., 239 Agricultural Engineering.
Francesco Mauri on "Ab-initio Theory of Magnetic Susceptibility and of NMR Chemical Shifts in Solids and Liquids," 3:30 p.m., 339 Davey Laboratory.
■ Made Availing on "Australian Aborigines and the 'Construction of Race': Some Lessons for Educators, Sociologists and Just About Everyone Else," 3:45 p.m., Paul Robeson Cultural Center Conference Room.



On stage

Charles Mingus and the Bingus Big Band will perform at 8 p.m. Saturday, Feb. 7, at Eisenhower Auditorium on the University Park campus. Tickets are \$22 for general admission and \$18 for students. For more information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849.
Earvin "Magic" Johnson on being an athlete, entrepreneur and HIV survivor, 8 p.m., Eisenhower auditorium.
Tuesday, February 10
Mark Barteau on "From Model Surfaces to Catalysts (and back)," 10 a.m., 140 Fenske Laboratory.
Lior Burko on "The Singularity Inside Black Holes," 2 p.m., 339 Davey Laboratory.
Tristan Hubsch on a subject to be announced, 3:30 p.m., 339 Davey Laboratory.
Julius Hirsch on "Diet, Genetics and Obesity," 4 p.m., S-209 Henderson.
"Diverse Voices," reading series presents Marilyn Nelson, 7:30 p.m., HUB Gallery Lounge.
Wednesday, February 11
Richard Moore on "Elongation Factor-1 Alpha and the Microtubule Cytoskeleton," 12:20 to 1:10 p.m., 106 Warrick Laboratory.
Thomas Gabrielson on "Sensor Engineering on the Microscale," 3:35 p.m., 215 Hammond.
Robert Sablowski on "Filling the Gap Between Floral Homeotic Genes and Morphogenesis: Target Genes of *Antipathesis*," 4 p.m., 8 Mueller Laboratory.
George Rebok on "Risk Factors for Unsafe Driving Among Elderly Adults," 4 to 5 p.m., 110 Henderson.
The Hon. David E. Grine, Tony DeBoef and Ron Rojas will present "Mock Acquaintance Rape Trial," 7 p.m., 112 Kern.
Thursday, February 12
Frances H. Arnold on "Design by Directed Evolution," 12:15 p.m., SS Osmond Laboratory.

Raymond Puzio on "Understanding Superspace Differential Invariant Theory in the Large," 1 p.m., 339 Davey Laboratory.

Jack Schultz on "Biochemical Bases of Triphasic Interactions," 3:45 p.m., 112 Buckholz Laboratory.
Leslie Newman on "Heather's Mommy Speaks Out: Homophobia, Censorship & Family Values," 5 p.m., 102 Thomas.
Friday, February 13
Linda LeSalle on "Relationship Violence," noon, 120 Boucke.
Alan Taylor on "Who's Minding the Park? Forest Changes and Natural Resource Policy in Lassen Volcanic National Park," 4 p.m., 206 Walker.
■ Anna Petronella Fredlund on "Expression and Doubt in Merleau-Ponty's Early Philosophy," 4 p.m., 124 Sparks.
Saturday, February 14
Robert E. Kennedy on "Attention Deficit Disorders," 11 a.m. to 12:30 p.m., Kern auditorium.
■ Scott Burnham and William Kinderman on "The Four Views of Beethoven: Perspectives from the Memorial Years 1827, 1870, 1927, 1970," 8 p.m., Recital Hall.
Sunday, February 15
■ Panel discussion on "The Life in Music: Perspectives on Beethoven's Piano Sonata in E Major, Op. 109," 1 p.m., Alumni Lounge, The Nittany Lion Inn.

CONFERENCES

Friday, February 6
PASA: 4c-ing the Future, The Penn Stater.
Sunday, February 8
Vietnam Veterans of America, The Nittany Lion Inn.
Monday, February 9
Marriott International, The Nittany Lion Inn.
Tuesday, February 10
American Institute of Chemical Engineers, The Nittany Lion Inn.
NECEPT Technician Training Programs, The Penn Stater.
Wednesday, February 11
March of Dimes, The Penn Stater.
Friday, February 13
"Aim High," The Penn Stater.
Saturday, February 14
ReMax of Pa., N/W Inc., The Penn Stater.
Charity Ball, The Nittany Lion Inn.

EXHIBITS

Computer Building
■ "Faces of America" by Javier Escudero, through March 5.
HUB Browning Gallery
Pen, ink and collage works by Anu Chowla, through Feb. 22.
HUB Formel Gallery
"Inside Out" photographs by Debra Dilworth, through Feb. 22.
HUB Sculpture Corner
"Race Talks" by William Engle, through May 21.
Kern Exhibition Area
■ Photographs by Henry Lee, through Feb. 15.
North Halls
"From the Past to the Present: The 3-Ls of Life" by Crystal Brown, through Feb. 26.
Pelmer Museum of Art
"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints" through June 14.
"American Printmakers, 1920 to 1945," through June 14.
"All That is Glorious Around Us: Paintings from the Hudson River School," through May 17.
Ritenour Lobby
■ African masks by Kathleen Donovan, through March 5.
Waring Hall
Photographic works by Lisa Graves, through March 5.
West Hall
Photographs by Lisa Graves, through Feb. 26.
Zollar Gallery
Undergraduate Juried Exhibition, Feb. 13 through March 4.
■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://bec.psu.edu/calendar/>

New at Penn State

Course teaches doctors how to run a business

An innovative team-taught course presented this semester by the School of Business at Penn State Erie, Behrerd College, to medical students at Lake Erie College of Osteopathic Medicine is helping medical students learn about the business of being doctors.

The course is designed to help medical students integrate good business management into their health care profession.

"According to the U.S. Small Business Administration, health care is the largest small business industry in Pennsylvania," said Jeff Traller, assistant professor of management. "So it makes good sense to offer medical students this opportunity."

There are nine Penn State-Behrend professors team-teaching the course.

Early in the semester, the teaching team met with its class of 125 first-year medical students to find out what concerns they might have about setting up a medical practice. Overwhelmingly, the students want to know how managed care and HMOs would affect their future practice. But they also wanted to learn what business terms mean, how to hire accounting and legal professionals, how to evaluate office staff, how to determine growth areas in their job market, what tax issues are important to physicians and, since many come from outside Pennsylvania, how to incorporate in other states.

New major created

A new major in the College of Agricultural Sciences, involving the departments of agronomy, entomology, horticulture and plant pathology, will prepare students to answer questions about how farms can remain a viable business as urbanization, along with new regulations, close in. In December, the agroecosystems science (AGESS) major was approved and is accepting students.

"Many times a student will take courses in various disciplines, such as plant production, soils, pathology or economics, but never really see how each discipline fits into the total picture," said Elwood Hatley, professor of agronomy and program coordinator. "Our effort in this major is to keep it holistic — to continually enforce the idea that we're working in a system."

Graduates will be prepared for careers in environmental and agricultural consulting, agribusiness, sustainable agricultural production, environmental and agricultural education and advocacy, and governmental policy, regulatory and enforcement agencies.

AGESS is the first major in the College of Agricultural Sciences that requires two internships for graduation, one related to field activities and one with an agribusiness or ag-related department of government.

In fall 1998, the college will begin offering the new AGESS courses, which will be taught by multidisciplinary teams.

For more information about the AGESS major, write to the Department of Agronomy, 116 Agricultural Sciences and Industries Building, University Park, Pa. 16802, or call (814) 865-6541.



Construction update

Work continues on the Pattee/Paterno Libraries construction and renovation project at University Park. The project will add a 100,000-square-foot, multistory addition to Pattee Library and is due to be completed in October 1999. For more information, check the Web at <http://www.libraries.psu.edu/pubinfo/construction/>

Photo: Greg Grieco

Promotions

Staff

Corinna S. Anskis, staff assistant VI in Continuing and Distance Education

Richard B. Baird, admissions counselor II at Penn State Altoona

Kathy J. Barrickman, staff assistant V in Continuing and Distance Education

Donna M. Basalla, staff assistant V in Intercollegiate Athletics

Dennis W. Bender, graphics specialist in Continuing and Distance Education

Eric D. Blessner, network coordinator in Division of Development and Alumni Relations

Timothy E. Bruce, maintenance worker-utility at Penn State Altoona

Tina L. Cigich, development assistant in Division of Development and Alumni Relations

Donald R. Confer, assistant manager, food services in Housing and Food Services

Galen R. Cori, information technology associate in Applied Research Laboratory

Beverly A. Crabtree, development assistant in Division of Development and Alumni Relations

Carol A. Fee, staff assistant VI in College of Earth and Mineral Sciences

Sandra S. Fenush, staff assistant VI in Applied Research Laboratory

Todd K. Fetterolf, senior designer electromechanical in Applied Research Laboratory

Timothy L. Fortney, group leader, exhibition cook in Housing and Food Services

Wendy W. Franklin, coordinator, research funds in Applied Research Laboratory

Sandra H. Gabel, coordinator, research funds in Applied Research Laboratory

Tracy L. Gross, computer and telecommunication specialist in Continuing and Distance Education

Jeffrey G. Minelli, manager, network and information systems in Eberly College of Science

Patricia J. Mrozowski, staff assistant V at Penn State Erie, Behrerd College

Scott W. Neidigh, information systems support associate in Computer and Information Systems-Administrative Systems

Donna M. Oyler, network coordinator in Office of Budget and Resource Analysis

Pamela T. Peterson, coordinator, marketing in College of Health and Human Development

Harry E. Poorman, network support specialist in Housing and Food Services

Richard L. Ramsay, senior applications programmer/analyst in Corporate Controller's Office

Jill R. Rhodes, development assistant in Division of Development and Alumni Relations

Gloria L. Rhule, research support assistant in College of the Liberal Arts

Joneen P. Richardella, staff assistant VI at Penn State Altoona

Randolph Riesterer, network coordinator in Applied Research Laboratory

Mark C. Saussure, information systems consultant in University Libraries

Holly H. Signorello, research support technician III in College of the Liberal Arts

Monica C. Spence, staff assistant VIII in College of Communications

Carol L. Swartz, staff assistant VII at Penn State Shenango

Shirley M. Trice, program aide at Penn State Shenango

Michael A. Vargosko, director of receptions at The Nittany Lion Inn

Charles W. Walker, staff assistant VI in Housing and Food Services

Erin D. Weaver, staff assistant VI in Continuing and Distance Education

Michelle L. Weaver, computer support specialist in College of the Liberal Arts

Technical Service

Jean M. Doran, dining hall worker A in Housing and Food Services

William W. Houser, maintenance worker/insulating in Office of Physical Plant

Brian A. Johnson, maintenance worker-utility in Office of Physical Plant

Gerald C. Kermer, mechanical and electrical technician at Penn State Erie, Behrerd College

Linda L. Neill, group leader-laundry worker in Housing and Food Services

Judy A. Nowackinski, residence hall utility worker A in Housing and Food Services

Leon R. Reese, maintenance worker-plumbing and piping in Office of Physical Plant

Shawnee R. Schrudders, dining hall worker A in Housing and Food Services

James A. Smith, lead maintenance mechanic, utility piping in Office of Physical Plant

Glenn A. Walstrom, electrician A in Office of Physical Plant

Faculty/Staff Alerts

"Take Your Professor to Lunch"

With midsemester not too far away, it's time for the repeat of a popular program designed to break down the barriers of anonymity in large class sections. From Feb. 9-27, the Center for Excellence in Learning and Teaching and USC Academic Assembly are sponsoring the "Take Your Professor to Lunch" Challenge. This program gives students in sections with enrollments of more than 100 a chance to talk with their professor in an informal setting. Lunch will be provided at any University Park Housing and Food Services eatery that uses the point system, to any eligible student who takes up the challenge and invites the course instructor and four to nine classmates to participate. Students can participate only once during the three-week period.

Other details and registration information can be found on the Web at <http://www.psu.edu/cecl/largeclass/take-a-prof.html>.

The 26th Dance Marathon

Students will once again put on their dancing shoes on Feb. 20-22 for the Penn State Dance Marathon, the nation's largest student-run philanthropy. Last year, theTHON raised \$1.5 million for the Four Diamonds Fund at The Milton S. Eisenhower Medical Center to help pay the expenses of families of children being treated for cancer. The 48-hour annual event will include some 540 dancers this year. To make a pledge, call (800) 392-8466.

Call for nominations

The Commission on Lesbian, Gay and Bisexual Equity in the Office of the Vice Provost for Educational Equity is actively seeking nominations for membership for the 1998-99 academic year.

The commission serves as an advisory group to the vice provost on matters affecting the climate for gay, lesbian and bisexual members of the Penn State community. Its purpose is to enhance a positive working and living environment for all members of the University community, regardless of sexual orientation. The commission is especially concerned with policies and structures which negatively impact on lesbian, gay and bisexual people and its membership includes representation from all employee classifications, as well as graduate and undergraduate students. Members are appointed to three-year terms.

The commission values diversity in its membership and is actively seeking nominations from culturally, racially and ethnically diverse populations. Self-nominations are encouraged. Nomination forms may be obtained from the commission office, 313 Grange Building, University Park, or by calling (814) 863-8415. Nominations must be returned to the commission office no later than March 16. For more information, call (814) 863-8415.

Preschool relocates

The Imagination Station, an inclusive preschool operated through a partnership between the University and The Arc of Centre County, recently announced its relocation to a larger facility within the CATO Industrial Park area near University Park. The newer site has a larger capacity and will continue to



Snow going

A passerby makes her way along the campus mall near Old Main and Henderson Building on the University Park campus. Workers were busy last week, clearing snow from campus sidewalks and streets.

Photo: Greg Grieco

provide developmentally appropriate care for children of all abilities, ages 2 to 6 years old.

The move to a larger facility is part of a continued effort by the University's Work/Life Programs Division to provide affordable and accessible child care to the University community. The center is now located at 2790 W. College Ave. in State College.

Games switched

Penn State's 1998 football game with Pittsburgh at Pitt Stadium has been moved from Sept. 12 to Sept. 19 to accommodate a national telecast by CBS-TV. Kickoff will be 3:30 p.m.

The Penn State-Bowling Green game, originally scheduled for Sept. 19, will be played at Beaver Stadium Sept. 12.

CBS requested the change, athletic officials said, because it wished to carry the Pitt game but couldn't on Sept. 12 due to a conflict with its telecast of the U.S. Open Tennis Tournament. CBS owns the rights to Big East Conference home games.

Book Shelf

Spending on toys has soared in recent years, increasing more than 300 percent since 1980. More has changed than just the numbers — the toys and the way they are bought have been transformed in recent decades.

Parents once carefully selected toys to mark special occasions, often turning to their own childhood favorites or to toys that expressed specific values. Today toys are marketed directly to children, often by the media. Unable to relate to toys their children desire, many parents find themselves paying for massive numbers of toys they barely understand. How did these changes happen and

what do they tell us about contemporary American families and values? Gary Cross, professor of history, examines these and other questions in his new book, *Kids' Stuff: Toys and the Changing World of American Childhood*, published by Harvard University Press.

Cross shows that in the early 1900s, toys reflected parents' ideas about children and their futures. Each child owned just a few playthings. Cross chronicles a transformation that began in the 1930s with the introduction of comic books, children's radio and children's movies. Toymakers began to make toys that would entice children

and adults and that allowed more fantasy play.

Since the late 1950s, toymakers have dramatically increased their efforts to market directly to children. As gender stereotypes and traditional values came under fire in the '60s and '70s, parents grew less certain that the toys of their childhoods were the best toys for their children.

In *Kids' Stuff*, Cross does not argue for a return to the traditionally gendered playthings of the past. He is concerned that the massive profits of the fantasy toy industries come at the expense of children and families.

EMPLOYEE BENEFITS

A regular column provided by the Office of Human Resources

Update on the "Future of Benefits"

Sixteen faculty and staff members have agreed to serve on the Task Force on the Future of Benefits and comments are now being sought.

The task force, which is chaired by George W. Franz, associate professor of history and American studies at Penn State Delaware County, has been meeting monthly to explore and make general recommendations in the area of benefits programming.

After a study of comparable benefit programs at other institutions, the task force will recommend attainable, cost-effective benefits objectives as well as identify strategies for attaining those objectives. The specific benefit programs being studied are: medical, dental, vision, prescription drug, tax-deferred annuities and the Employee Assistance Program.

The initial phase of the study focuses on medical benefits. The issues being examined include plan design, prescription drug options and cost structure. The target date for issuance of the recommendations is June 1998. The findings of the task force are expected to assist in the future development of a health care strategy.

Faculty and staff who still wish to direct comments to the group have a final opportunity to do so.

Questions or comments should be directed to George Franz, chair of the Task Force on the Future of Benefits, by phone at (610) 892-1411, by fax at (610) 892-1357 or by e-mail at GWFI@PSU.EDU. The task force plans to make initial recommendations in March.

Appointments

Dickinson School of Law names associate dean

Professor Peter C. Alexander has been appointed associate dean for research and faculty development at the Dickinson School of Law.

In addition to teaching, Alexander will serve as the law school's liaison to the University's office in charge of fellowships and will assist the law school faculty in determining availability and eligibility requirements for fellowships and research grants from foundations and other agencies.

Alexander joined the law school faculty in 1992. He has a B.A. degree from Southern Illinois University and a J.D. degree from Northeastern University School of Law. He is a member of the board of directors and faculty of the American Bankruptcy Board of Certification, the nation's largest bankruptcy certification program. He also is a member of the advisory board of the *American Bankruptcy Institute Law Review*.



PETER C. ALEXANDER

Career Services welcomes new associate director

Catherine S. Dufour has been named associate director for placement and programming in Career Services (formerly Career Development and Placement Services), a division of Student Affairs. She replaces the recently retired Ralph L. DeShong. Dufour brings to the associate director position more than 12 years of experience in the field of career services.

As the associate director for placement and programming, Dufour will manage the operation of on-campus recruiting, one of the largest in the nation—conducting more than 20,000 interviews annually. Dufour will also oversee the outreach programming component of Career Services. Annually, more than 21,000 students, alumni, faculty, staff and community members are served through these programs.

Dufour has served as the assistant director for education career services and programming at Penn State's Career Service since 1989. While in this position, Dufour was instrumental in significantly expanding the outreach programs for Penn State students. She has authored several book reviews for publication in professional journals, and has presented or co-presented at a number of national and regional professional associations.

Before joining Penn State, she served as director of career services at The College of Saint Rose in New York, from 1988 to 1989. From 1986 to 1988, Dufour was the assistant director for career resources at Siena College in New York. She received her undergraduate degree in 1984, with honors, from Penn State in speech communication. In 1986, she received her master's degree in college student personnel from Bowling Green State University in Ohio.



CATHERINE S. DUFOUR

Specialist named to endowed chair in Health and Human Development

Mark T. Greenberg, one of the nation's leading specialists in the prevention of family violence and child delinquency and the promotion of social competence in children, has been named the first holder of the Edna Peterson Bennett Endowed Chair in Prevention Research in the College of Health and Human Development.

The Bennett chair was endowed this year by Edna Peterson Bennett, a 1953 graduate, and the late C. Eugene Bennett, 1952 graduate, who contributed \$1.5 million to endow the chair in prevention research. The position will support research and community outreach for promoting competence in children and families. The Bennetts met while they were students at Penn State.

Greenberg, who joined the Penn State faculty in health and human development this fall, comes from the Department of Psychology at the University of Washington in Seattle. He previously served as director of the Seattle site of FAST Track, a comprehensive program that aims to prevent violence and delinquency in families.

At Penn State, Greenberg will continue his research and teaching and will direct the new Center for Prevention Research, serving as a catalyst for the development and implementation of collaborative projects among Penn State faculty and Pennsylvania communities. The center's purpose is to promote healthy social and emotional development and to prevent problems of social and academic failure in children and youth.

Since 1981, Greenberg has been examining the effectiveness of school-based curricula to improve the social, emotional and cognitive competence of elementary-aged children. This work began with deaf children and was expanded in 1988 for use in regular classrooms, as well as in special needs classrooms for children with behavior disorders and learning disabilities.

Greenberg is the author of more than 100 journal articles and book chapters on child development and understanding aggression, violence and externalizing disorders. Most recently he contributed to *Promoting Social and Emotional Learning: Guidelines for Educators*.

He received his Ph.D. in developmental psychology with a minor in child-clinical psychology in 1978 from the University of Virginia and a bachelor's degree from Johns Hopkins University in 1973.

He is a member of the American Psychological Association's Presidential Task Force on Prevention Research and Training, and is a consultant to the Center for Mental Health Services in the National Institutes of Health (NIH) on the development of objectives for the nation's health through "Healthy People 2010."

College of Engineering names director of industrial relations

Irene Johnston Petrick has been named the director of industrial relations for the College of Engineering. She will be working out of the college's Office of Graduate Studies and Research.

Petrick is responsible for coordinating the college's relationship with industry partners. Her responsibilities include promoting college research and related facilities, helping faculty members locate funding opportunities, writing proposals and negotiating contracts and agreements.

Before this appointment, Petrick served since 1991 as the industry liaison for the College of Engineering's Office of Graduate Studies and Research, helping to pave the way for university-industry part-

nerships. She continues to serve as an independent consultant engaged in business-to-business technology licensing. Petrick also worked as the assistant to

the director of the University's Center for Locomotion Studies and as a grants and contracts coordinator for the College of the Liberal Arts.

Petrick holds a Ph.D. in engineering science and technology management from Penn State and also earned her master's and bachelor's degrees in economics from Penn State. She has taught a number of courses and seminars on the graduate and undergraduate level, including an annual graduate seminar in strategic technology management.



IRENE JOHNSTON PETRICK

Radiation Science and Engineering Center appoints new director

The new additions at Penn State's Radiation Science and Engineering Center facility, including those for the Breazeale Nuclear Reactor, will be overseen by a new director, C. Frederick Sears.

Sears, most recently an independent nuclear consultant specializing in management, operations, engineering and safety of nuclear reactors, has extensive experience in industrial reactors and in environmental engineering. Sears is familiar with the Breazeale Reactor because he served as shift supervisor and reactor operator from 1964 to 1968, although the facility has changed since then.

Sears will oversee the entire range of research and teaching surrounding the center, as well as make certain that the center satisfies all operating and safety regulations. In the past year, numerous changes to enhance the abilities and utility of the reactor and the other facilities at the Radiation Science Center were implemented. The center receives many requests to irradiate electronic materials and devices to alter their structure or test their resistance to change by a variety of radiations. In addition, the equipment for neutron activation analysis, which researchers use in such diverse fields as anthropology and geology to determine the composition of a variety of materials, was reconfigured this summer. The reactor does not generate electricity, but is used for a variety of analytic methods and to create radioactive isotopes.

Sears began his career with Penn State and then joined Combustion Engineering in 1968, first as chief test engineer; then as a manager; assistant project manager and finally as manager of product development. He was a captain in the U.S. Army Engineer Reactor Group serving as assistant branch chief and qualifying as officer in charge for operation of the Army's reactor.

In 1980 he became director, nuclear engineering at Northeast Utilities. Sears became vice president, nuclear and environmental engineering, in 1983 and vice president, environmental in 1992. In 1994 he became a private consultant.

He received his B.S. in physics and M.S. in nuclear science and engineering from the Virginia Polytechnic Institute in 1962 and 1964 respectively. He received his Ph.D. in nuclear engineering from Penn State in 1969. Sears completed the executive management program at the Edison Electric Institute in 1987 and the Advanced Management Program at the Harvard School of Business in 1992.

Involve parents in teens' anti-drug programs

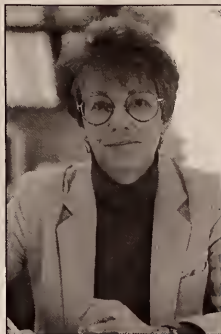
By BARBARA HALE
Public Information

Involving parents of high-risk teens in drug prevention programs may be extremely challenging, but a study has shown that it is possible — with the right strategies — to achieve participation from many parents.

Tena St. Pierre, associate professor of agricultural and extension education in the College of Agricultural Sciences, and D. Lynne Kaltreider, research associate in Penn State's Institute for Policy Research and Evaluation (IPRE), said their three-year study of the Boys & Girls Clubs' Family Advocacy Network, popularly known as the FAN Club, has identified six successful strategies useful to recruit and retain parents of high-risk youth as allies in the fight against drugs.

The strategies are:

- Identify the right person to lead the program;
 - Clearly convey the purpose of the program;
 - Build relationships of mutual trust, respect and equality;
 - Create parent ownership and group bonding;
 - Provide easy access, incentives and reminders; and
 - Be flexible but persistent.
- St. Pierre, who is also a senior research associate at IPRE, said, "The recent upsurge of teen drug use clearly calls for innovative prevention strategies. The FAN Club was directed to and was successful with high-



D. Lynne Kaltreider, research associate in the Institute for Policy Research and Evaluation, left, and Tena St. Pierre, associate professor of agricultural and extension education, identified six strategies to involve parents of high-risk youth in the fight against drugs.

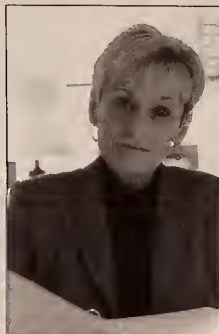


Photo: Greg Grieco

The FAN Club offered four types of activities:

- **Basic Support Activities** — helped families cope with daily life or with particular crises. For example, the FAN Club coordinator accompanied parents to social service agencies and offered support or assisted parents with their children's school.
- **Parent Support Activities** — these mostly social activities were selected by the parents to combat social isolation. They included pot luck dinners, picnics, crafts, pool parties, coffees and other activities open

to parents alone or parents and children.

■ **Educational Program Activities** — these parent-selected activities provided education, knowledge or enrichment experiences through speakers who discussed black history, Puerto Rican culture, AIDS, gang prevention and health.

■ **Leadership Activities** — parents voluntarily planned and implemented these activities which included monthly meetings, fund-raising, club-wide dinners and the Boys & Girls Clubs' summer lunch program. Families also visited nursing homes and prevention program graduations.

St. Pierre and Kaltreider, with Melvin Mark, professor of psychology, examined parent participation and program effects in a study involving 300 young people at 16 Boys & Girls Clubs across the U.S. over a three-year period. They found that 44 percent of youth at clubs offering a FAN Club program had a parent participate in at least one activity (on average) per month and 54 percent attended a FAN Club activity (on average), every other month.

Not surprisingly, results from a youth self-report questionnaire indicated that the most positive anti-drug program effects were found for teens in the study group that offered the FAN Club program. Over the 36 months, youth in the Boys & Girls Clubs that conducted the FAN Club program with the drug prevention program reported increasing ability to refuse alcohol, marijuana and cigarettes, and increasing negative attitudes toward using marijuana.

Deaf education roots stem from early Benedictine beliefs

By VICKI FONG
Public Information

The origins of deaf education can be traced beyond dedicated teachers such as the well-known Gallaudet family, who founded schools in America, to the religious beliefs of a 16th-century Benedictine monk in Spain.

Marilyn Daniels, associate professor of speech communication at the Worthington Scranton campus, traces the connections between the first teachers in Europe to the founders of the American schools, and compares the similar philosophies of Benedictine teachings and of the deaf educators in a recently published book, *Benedictine Roots in the Development of Deaf Education* (1997; Bergin & Garvey, Westport, Conn.).

Pedro Ponce de Leon, a 16th-century monk who lived in a Benedictine monastery in Ona, Spain, is credited with running the first school for the deaf, teaching sign language and finger-spelling to children.

"The monks observed daily periods of silence and developed signs or gestures to communicate during those times," Daniels said. "So it was natural for them to move to teaching with sign language since education has been another integral part of their system."

Daniels said an important factor was their belief that people are all whole, equal and should be treated with respect, according to the "Rule of St. Benedict."

"This contrasted sharply with the general societal scorn of deaf people

stemming from an erroneous belief of philosopher Aristotle, which became embedded in Judeo-Christian teachings," she said. "Ironically, the first known teachers of the deaf were either members of religious communities or the deaf themselves."

Ponce de Leon's work provided a balanced base for deaf education, passed on unattributed by Juan Pablo Bonet of Spain who tutored the children of a wealthy family and wrote a book on his techniques.

The book was used by a French priest, Charles Michael de L'Epée of France, who founded the French National Institute for the Deaf, the first school for the deaf in the world. An institute teacher, Laurent Clerc, assisted Thomas Hopkins Gallaudet, a young Protestant minister who

went on to start the American School for the Deaf, and whose son, Edward Miner Gallaudet of the United States, later opened Gallaudet University in Washington, D.C., the first institution of higher education for the deaf in the world.

"The connection between Ponce de Leon's ideas and how he treated the deaf is the same attitude that is present at Gallaudet University," Daniels said. "Teachers there think of the deaf as wholly formed people, not as abnormal human beings."

The whole-person philosophy is central to the bilingual approach using both American Sign Language and English as separate and complete languages for deaf people, as well as hearing people.

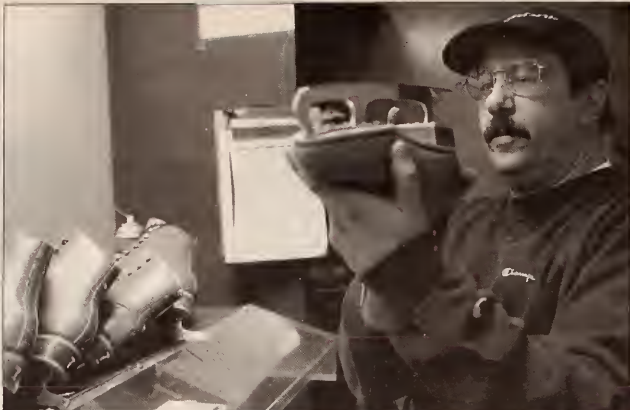
The Ice Man



Chilly chores

Terry Houser, one of two full time technical service people employed at the ice rink in the Greenberg Indoor Sports Complex on the University Park campus, inspects some rental skates (right) after sharpening them. Over the course of a year, Houser estimates that as many as 16,000 skates are sharpened. At left, Houser runs the Zamboni, another of his duties in addition to general maintenance around the rink.

Photos: Greg Grieco



Carpoolers

Carpoolers needed from the Philipsburg area to University Park. Work hours are Monday through Friday 7:30 a.m. to 4 p.m. Other times may be considered. Call Bill at (814) 345-6670 or (814) 865-0446, or Larry at (814) 342-1238 or (814) 865-0446.

Vanpoolers wanted from Philipsburg area to University Park. Work hours are Monday through Friday, 7:30 a.m. to 4:30 p.m. Please call Stacie Gutschall at (814) 865-3448 or (814) 342-7511.

For the Record

The time for the brown-bag lunch "Recognizing and Referring Students in Crisis," listed in the Jan. 29 calendar, was incorrect. The Feb. 6 lunch and talk on the University Park campus begins at noon.

In a headline on page 5 of the Jan. 29 issue of *Intercom*, the CQI conference to be held at the Penn Stater Conference Center Hotel on April 21-22 was incorrectly identified. While the conference is being held at the Penn Stater, the CQI Expo will be held at The Nittany Lion Inn.

Due to a source error, the time listed in a Jan. 15 notice of a lecture to be given by David Ward, chancellor of the University of Wisconsin, Madison, was incorrect. Ward will begin his talk at 3 p.m. at the Penn Stater Conference Center Hotel on April 21.

Penn Staters

Four faculty members at Penn State Erie, Behrend College, attended a conference, "Identity in Spanish and Latin American Literature and Film," at the University of Valladolid, the second-oldest university in Spain. Soledad Traverso, assistant professor of Spanish, presented a paper, "The Concept of Identity in the Latin American Vanguard." Chester Wolford, professor of English and business, and Gretchen Vanneman, lecturer in English, presented "Identities Gleaned from a Year in Andalusia." Juan Fernández-Jiménez, professor of Spanish, organized and chaired a session at the conference and read a

paper, "In Search of Identity: The Case of the Picaresque."

Jeffrey K. Pinto, the Samuel A. and Elizabeth B. Breene Fellow in management at Penn State Erie, Behrend College, attended an international Project Management Risk Conference in Helsinki, Finland, where he presented a paper, "Understanding Project Risk." He also spoke on "Customer-based Project Success Measurement" at the Umea Business School in Umea, Sweden.

Carol A. Reardon, associate professor of history, has been appointed by

the Secretary of Navy John Dalton to serve as a member of the Board of Visitors for the Marine Corps University, Marine Corps Combat Development Command at Quantico, Va. The board, formally established in June 1997, is chartered to advise and make recommendations to the commanding general of the military command at Quantico and the president of the Marine Corps University on topics ranging from budgetary guidance to institutional effectiveness of university programs. The Marine Corps University was established in 1989 to provide professional military education to all Marines.

PENNSSTATE INTERCOM

Department of Public Information
312 Old Main, University Park, PA 16802. Phone: (814) 865-7517
Address correction requested

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PENN STATE



INTERCOM

February 12, 1998

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Volume 27, Number 20



Sign of spring

Coordinators of flower sales for the Penn State Horticulture Club Abby Swoyer, left, Jason Jandrew and Amanda Carson get ready for a busy week. The club will sell flowers today and Friday, Feb. 13, in the basement of the Hetzel Union Building on the University Park campus and Saturday, Feb. 14, at the Penn State Bookstore next to the HUB.

Photo: Greg Grieco

FACULTY PROFILE

Successful actor a bridge for students

By BILL CAMPBELL
Special to Intercom

Charles Dumas, associate professor of theatre arts, doesn't have any problem relating to his students.

And, his appearance this past summer in three Hollywood "blockbusters" didn't hurt his credibility with aspiring actors and actresses at Penn State.

"When I came here in 1995 as a visiting professor, I found young people hungry for information," he said. "They were interested in my background and experience. They wanted to be what I was — an actor, writer, director. I was turned on. It was an important event that occurred at a point in my life when I was very productive in my career.

Dumas said he came here with the intent of sharing his successful experiences and simply returning to his career. But when he arrived, he was energized by the students and found himself working harder than he ever had in his life.

"When I accepted a full-time position the following year, I felt I could be a bridge for aspiring actors between New York and Los Angeles and Penn State. I'm not an academic, but I hope that I teach well. I consider myself primarily a professional who serves as a bridge," he said.

That bridge got an even more secure foundation last summer with his roles in "The Peacemaker," starring George Clooney and Nicole Kidman and produced by Steven Spielberg's Dreamworks; "Cop-

See "Profile" on page 3

University looking for more from proposed budget

By LISA M. ROSELLINI
Public Information

Under the governor's proposed 1998-99 budget plan unveiled Feb. 3, Penn State would receive a 3.25 percent increase, an amount University President Graham B. Spanier calls the governor's "most generous" to date, but still only a "stay-even" approach that merely covers inflation.

"This increase, if approved by the Legislature, would allow us to continue our programs at the current level, provide a modest salary increase for employees and maintain current commitments," Spanier said. "Penn State has the opportunity to greatly enhance the quality of education research and service for Pennsylvania, but additional funding will be needed to realize our goals."

Pennsylvania Gov. Tom Ridge last week revealed a \$17.8 billion spending plan that not only includes a 3.25 percent increase in funding for the 14 schools

See "Budget" on page 9

BECOMING A REALITY Commonwealth College is growing together

LISA M. ROSELLINI
Public Information

Minimal and acceptable are words Joseph Strasser won't use. To Strasser, new dean of the Commonwealth College, those two words have no place at Penn State.

Instead, Strasser has set a goal of working together to be a leader in the University system — no small order considering his college spans 12 locations across the state and only recently came into being through a massive reorganization of Penn State's campus system.

Just one year ago, the University announced an overhaul of its Commonwealth Educational System — a system that had been in place for more than four decades but needed to find additional ways to

See "College" on page 2

Inside

Coming soon

The University is unveiling a new ID card for faculty, staff and students. The card will feature several optional services, including banking. For details, please see the story on page 6.



Help for babies

Researchers in the College of Medicine have identified changes in a gene that could account for a higher incidence of infants suffering from respiratory distress syndrome. For more on this discovery, please turn to page 11.

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College

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answer the needs of Pennsylvania residents. Out of that system makeover, which took more than 18 months to devise, came Strasser's college, which is made up of five Penn State campuses in western Pennsylvania (Shenango, Beaver, New Kensington, McKeesport and Fayette); one in the central part of the state (DuBois); Three in the south (Delaware County, Mont Alto and York); and three in the northeast (Worthington, Scranton, Wilkes-Barre and Hazleton). The Commonwealth College officially began operating on July 1, 1997, and is Penn State's largest college.

"I have certain aspirations for this college and I know they can be achieved," said Strasser, who was named dean on Nov. 17. "I see the niche of the Commonwealth College as being able to provide student-centered, personalized education. Answering the educational needs of Pennsylvanians is the mission of every Penn State location and the Commonwealth College is particularly well-suited to respond."

Strasser knows this lesson first-hand. He cut his teeth as a campus executive officer from 1995 to 1997 at Penn State DuBois.

"At DuBois, I saw students who were making great sacrifices to get an education," he said. "I saw families that mortgaged their homes for education. That certainly made a deep impression on me. I feel tremendous, personal responsibility to the students of these 12 campuses to do everything that I can to provide them with the best education possible."

The new dean, who over the last two months has traveled the state to visit each of the 12 campuses, heard the same from those communities. In addition to carefully listening to CEOs, faculty, staff and students during those sojourns, Strasser also had a few messages he wanted to convey. The basic ideas of teamwork, pride and putting the past behind went a long way toward introducing the 1,300 employees of the Commonwealth College — about 500 of them faculty — to their new dean.

"His visits definitely sent a signal," said Catherine Gannon, CEO of Penn State New Kensington. "His visit not only instilled an enormous amount of confidence, it also established a comfort level for this new venture we have all embarked on. The Commonwealth College is in its infancy and he is working at pulling us all more closely toward being one entity. One of the missions of this college will be to find ways to draw us together. This collegiate structure is much more conducive to collaboration and sharing resources."

Gannon said although some organizational aspects about the Commonwealth College are still unclear — like who will pick up tasks previously done by other units within the University, such as evaluating transcripts for transfer students — the concept of the Commonwealth College is on target. As a neighbor to well-known institutions like Carnegie Mellon, the University of Pittsburgh, Robert Morris and several community colleges, to name a few, Gannon recognizes that higher education across the state, not just within the Penn State system, must become more collaborative to meet the ever-growing demands of its constituents.

"We are not just looking at working within Penn State, but also with other institutions," she said. "For the first time campuses within the college, which really exist to respond to the communities they serve, can propose programs that will meet the needs of residents. There are so many exciting possibilities that could come from a dozen campuses collaborating in a variety of ways, from grant proposals to asynchronous learning experiences. The Commonwealth College has great potential, and that potential is very interesting to everyone."

Who's Running the Commonwealth College?

Key staff members

■ Dean

Joseph C. Strasser (jcs16@psu.edu)

Principal academic leader and chief executive officer of the college. Responsible for planning, budgeting, implementation, fund raising and the quality of teaching and research in the college.

■ Associate Dean for Faculty

John Madden, acting (m05@psu.edu)

Responsible for faculty affairs — promotion and tenure, research grants, faculty development, annual reviews.

■ Associate Dean for Academic Programs

Sophia Wisniewska (stw1@psu.edu)

Responsible for academic program development for degree and non-degree offerings, market research and environmental scanning, and accreditation reviews.

■ Associate Dean for Students and Academic Support

Linda Higginson (lhx1@psu.edu)

Responsible for student and academic support services.

■ Associate Dean for Administration

Kenneth Varcoe (kev1@psu.edu)

Responsible for administrative review coordination, demographic information, advisory board liaison, CEO searches, enrollment management, strategic planning and other special staff assignments.

■ Director of Budget and Finance

Rachel Smith (rem4@psu.edu)

Responsible for the budget and financial activities of the College.

■ Director of Human Resources

Rachel Miller (mrm2@psu.edu)

■ Director of Development

Lynn Johnson (lmj4@psu.edu)

■ Administrative Fellow

Gail Gilchrist (gxl1@psu.edu)

James Gallagher, CEO at Penn State Worthington Scranton, said his campus is already experiencing the possibilities. This fall, Worthington Scranton launched its four-year degree program in business. The new program attracted 50 new students and is meeting the forecasted needs of the community.

"As we predicted, virtually all of the students are location-bound and tend to be older than traditional-age students," he said. "In terms of response, our plans are right on course. We plan to implement the four-year degree program in human development next fall."

Penn State Mont Alto has three new baccalaureate degree programs it currently offers. They include a bachelor's degree in nursing, a bachelor's degree in human development and family studies with an emphasis on gerontology, and a bachelor's degree in occupational therapy.

Strasser said, like Worthington Scranton and

Mont Alto, seven other campuses can also offer degrees in business and health and human development, if community need warrants. Under an agreement with the state's secretary of education, the Commonwealth College is able to offer degrees in these two high-demand areas, but must wait two more years before instituting any other baccalaureate degree programs. The next potential degree area that appears to have great interest among the public is in information technology, according to Strasser.

In fact, in its strategic plan submitted to Strasser on Jan. 16, Penn State Wilkes-Barre requested approval to deliver a four-year information technology degree at that location. The four-year program would complement an already existing two-year degree program in telecommunications, which CEO Mary Hines said she hopes will expand to a four-year program in the near future.

"I like the idea that we can listen to our constituents locally and respond to what they need. That's a great goal of the Commonwealth College," Hines said. "There is excitement over the possibilities, but it could take us some time to actually meet the demands. We are raising expectations in our communities and we have to be able to deliver fairly rapidly."

Strasser is aware of the desire to move quickly on certain fronts, but said the Commonwealth College is devoting its energies to figuring out where to get, what we want to be and how we are going to get there." Part of getting there involves strategic planning.

Each of the 12 campuses within the Commonwealth College turned over their strategic plans in mid-January to Strasser, who will now incorporate them into an overall planning document to present to the University Planning Council by the second week in April.

Mont Alto CEO David H. Goldenberg said his campus' strategic plan reflects a change in culture and attitude — both necessary to make the transition to a baccalaureate degree-granting location.

"The difference is more than just a set of courses," Goldenberg said. "It's values, attitude, confidence, cultural change and growth."

Strasser stressed that since no new funding is going toward putting together the Commonwealth College, it is "extremely important that we maintain the quality of our programs and really understand our communities to determine what the needs are."

Strasser said the college's strategic plan will emphasize continuing and distance education programs to increase the funding stream. Enhancing student services is also high on Strasser's "to-do" list.

In addition to looking at potential programs, Strasser immediately began tackling one of the most urgent needs of the college — hiring personnel. When Strasser came on board, five of the campuses were without CEOs. Since then, both Beaver and Hazleton have acquired campus leaders and Strasser said the searches for CEOs for DuBois (left vacant when Strasser became dean), Fayette and Shenango are in full swing. There are currently searches being conducted to fill 32 faculty positions, many of them tenured.

"Our strategic plan will focus on people, programs, resources and our communities," Strasser said. "Working as a team, we can be responsive to our communities, be out in front with innovative ideas and be extremely effective."

Worthington Scranton's campus executive officer agrees.

"As this college develops, I'm sure there will be more difficult issues that we'll have to face," Gallagher said. "This is really evolving on a daily basis, but that's exciting. It just means we have to roll up our sleeves and work a little harder and a little longer."

Profile

continued from page 1

land," starring Sylvester Stallone and Robert DiNero, and "In and Out," starring Kevin Klein. He also played a policeman on an episode of the television series, "Dellaventura," starring Danny Aiello, and spent three weeks in Los Angeles working on another Dreamworks production, "Deep Impact," starring Vanessa Redgrave, which will be released this spring.

In films and on television, Dumas, who has played a cop, a doctor, a judge, a minister, the husband of a cop and an FBI agent, said that being type-cast is fine with him.

"It's not a problem, because I've had a chance to do a wide range of other characters in my career. In the theatre, I've played kings and beggars. I have done it all in theatre, at least, if not in film. And, I believe my work will come in film.

"I am what is known as a character actor. One who comes in, does a competent job with a few lines and creates a presence. And I'm comfortable with that."

Before he joined the University faculty, he was what he describes as a full-time writer, director and actor who was involved in part-time teaching at the State University of New York at New Paltz.

"Now, at age 53, I don't have to identify myself. I do what is called for or demanded," he said. "At this point in my life, I consider myself primarily a teacher of young artists. I find that to be the central part of my job."

Dumas teaches undergraduate acting and African American drama; coordinates the Diverse Cultures Workshop; and is teaching African American film this semester.

Extensively involved in writing and directing, he directed Broadway actress Frances Foster in the University Resident Theatre Company's production of "Raisin in the Sun," wrote and directed two Martin Luther King commemorative programs in Eisenhower Auditorium and created the original drama "We Are Not Quite

ABOUT CHARLES DUMAS



Photo: Greg Griesco

In his film and television roles, Charles Dumas describes himself as a character actor — "one who comes in and does a competent job with a few lines and creates a presence."

His recent roles have included:

Films

■ "The Peacemaker" — head of the FBI.

■ "Copland" — a minister.

■ "In and Out" — a lieutenant colonel at a court martial.

■ "Deep Impact" (to be released this spring) — an anchorman on a television news team.

■ "Die Hard with a Vengeance" — an FBI agent.

Television

■ "Dellaventura" — a cop.

■ "Law and Order" — the husband of a cop.

■ "Loving" (a soap opera) — a doctor.

Penn State" for Ebony and Ivory Week in 1996.

He currently is working with Barbara Bird in the College of Communications to develop a film course that "will enable our actors to get together with their film makers."

Last year Dumas received a combined grant from the Institute for the Arts and Humanistic Studies, Department of Theatre Arts and the Department of African and African American Studies for development of an off-Broadway show, "My Brother's Keeper," which he wrote and directed.

"Nine Penn Staters were involved in the show," he said. "As a result, five of the cast got their Equity cards. I'm really proud of the University's effort to help facilitate the process of getting our students into the professional world."

This past December, four Penn State MFA students — Joy Hooper, Culley Johnson, Gabriel Grillo and Tanya Vujosevich — appeared in James Weldon Johnson's "Autobiography of an Ex-Colored Man," directed by Charles Dumas, are, from left, Gabriel Grillo, Joy Hooper, Jesse Norman, Dumas, Tanya Vujosevich and Culley Johnson.

Man," a 1920s novel for which Dumas did the dramatization and directed, at the Schromberg Center for African-American Culture in New York City. The cast featured Jesse Norman, winner of the James Weldon Johnson Award, and Bobby Short, jazz pianist.

"The production was well received. In fact, we have been invited to do another adaptation of it next year at the Schromberg Center," Dumas said.

His own start in the business, he admits, was rather shaky. "I was not very successful and I needed to support my family, so I went back to college and to law school."

After graduating from Yale Law School, he practiced international law and corporate law with IBM and at the United Nations. From 1979 to 1981, he also served as president of Hudson Legal Services in upstate New York.

"I really liked working for IBM," he said, "but I wasn't pursuing that which made me happy. After my wife, Josephine, got her engineering degree, I started teaching at New Paltz which gave me more time for acting and writing. In the 1980s, I started to get more work as more parts were coming available for African American men in commercials, theatre and television.

"In fact, when I was offered the visiting faculty position here, I was very productive in my career. I had done a Broadway show, "Shadow Box," was in a movie, "Die Hard with a

Vengeance," had a recurring role on the television series, "Law and Order," and three national commercials. My agent thought I was crazy, and told me that an actor should only teach when he was having a bad year. But, I thought it would be a disservice to teach the craft when you were not working at it."

Dumas currently has classes five days a week, so his acting is limited to what he can work around his academic schedule. But, he has been able to concentrate more on writing and directing.

"I've probably been more productive as a writer in two years at Penn State than at any time in my life," he said. "I've written five full-length plays and am now working on a sixth."

Despite his appearances on the screen with "big name" movie stars over the years, Dumas, a soft-spoken unassuming man, has not allowed himself to be overwhelmed by the Hollywood glamour syndrome.

"I learned my lesson early when I was invited to the premiere of the second movie in which I had a part. The producers of the independent film sent tickets for my wife and children. We sat through it, and I wasn't in it. My part had been left on the cutting room floor. It was heartbreaking.

"Since then, I've been wary of the glamour and celebrity stuff. But, I realize it has an effect on my students who look at me as a New York actor and someone in the movies. They see you talking to Robert DiNero and Bruce Willis on the screen and they view you not as an ordinary person, but as someone special. They see you as being a pathway for them; that the movies and Hollywood are not so far removed from them.

Dumas said he downplays the notion of glamour and stardom. Instead, he wants his students to know that acting is hard work, but fun and "it pays well."

While he takes his own acting success in stride and doesn't boast about it, he is quick to point out his students' accomplishments and talks enthusiastically about their successes.

Among the students who appeared in "My Brother's Keeper," Dumas noted that Carla Hargrove currently is enrolled in a workshop that will lead to a role in "The Lion King" on Broadway; Cynthia Henderson already has appeared in an HBO movie and several commercials; Mitch Little, an undergraduate, has been playing the lead in "Othello," a graduate project in the theatre arts department.

In addition, Dan Kaplan, who did the sound for the production, has had two other jobs in New York City and is well on his way. Virginia Queen is back from Europe on a tour with Sam Shepherd's "A Fool for Love," and Nedra Gallegos has appeared in Genet's "The Balcony."

"They're off and running in their careers which is wonderful. That's what it's all about."



Happy cast

Members of the cast of James Weldon Johnson's "Autobiography of an Ex-Colored Man," directed by Charles Dumas, are, from left, Gabriel Grillo, Joy Hooper, Jesse Norman, Dumas, Tanya Vujosevich and Culley Johnson.

Photo: Courtesy of Charles Dumas

LECTURES

Learn about attention deficit disorders Feb. 14

"Attention Deficit Disorders" is the title of the sixth lecture in the 1998 Penn State Lectures on the Frontiers of Science series, which will be given on Feb. 14, by Robert E. Kennedy, clinical psychologist and neuropsychological consultant at Centre Community Hospital in State College.

Kennedy frequently performs evaluations for adolescents and adults who think they may have an attention deficit disorder (ADD). He will discuss recent research on the possible associations of various dysfunctions in the brain with different types of ADD, methods of assessing ADD, and new developments in treatment.

The 1998 Penn State Lectures on the Frontiers of Science series, which focuses on the topic of "Human Brain



ROBERT E. KENNEDY



and the Human Mind," is designed for the enjoyment and education of central Pennsylvania residents.

The free lectures take place on eight consecutive Saturday mornings from 11 a.m. to about 12:30 p.m. in the Kern Graduate Center auditorium on the University Park campus.

For more information on the series, call (814) 863-8453 or (814) 863-4682, e-mail science@psu.edu, or follow the links at <http://www.science.psu.edu/> on the Web.

LIVES! events focus on Beethoven Feb. 14-15

The Institute for the Arts and Humanistic Studies, as part of its LIVES! Lecture Series, will hold a colloquium on the life and music of Beethoven Feb. 14-15. William Kinderman, Victoria University, and Scott Burnham, Princeton University, will be at Penn State to participate in the various activities, including a piano recital by Kinderman and lectures by both. The free sessions at University Park are open to the public. For more information, please call (814) 865-0495.

Schedule:

■ Saturday, Feb. 14: Piano recital by Kinderman at 4 p.m., Recital Hall, Music Building. Featured lectures at 8 p.m., Assembly Room, The Nittany Lion Inn: Burnham on the "Four Views of Beethoven: Perspectives from the Memorial Years 1827, 1870, 1927, 1970" and Kinderman on "Beethoven's Creative Process: The Relationship of Life and Art."

■ Sunday, Feb. 15: Panel discussion at 1 p.m., Alumni Lounge, The Nittany Lion Inn on "The Life in Music: Perspectives on Beethoven's Piano Sonata in E Major, Op. 109" with Kinderman, Burnham, Michael Broyles, Robert Hatten and Taylor Greer.

Learn about the culture of Australian masculinity

On Feb. 18-19, the Australia-New Zealand Studies Center will sponsor a visit to University Park from Professor John Rickard, the 1997-98 holder of Harvard University's chair in Australian studies. Rickard holds the rank of reader in the Department of History at Monash University, Melbourne, and is active in Monash's National Centre of Australian Studies.

On Thursday, Feb. 19, he will deliver an informal lunchtime lecture, "Rogues, Rascals and Romanticism: The Culture of Australian Masculinity," at 12:30 p.m. in 102 Weaver. He will also make class appearances during his visit.

Rickard is the author of *Australia: A Cultural History*, as well as biographies of prominent Australian political and cultural figures. His work in cultural history has ranged from exploring the role of Shakespeare in Australian culture to studying the cultural hierarchy of music and the history of popular culture. For more information about the seminar, which is open to the public, please contact Patricia Corbett at (814) 863-1603; or by e-mail at pac@psu.edu.

Community-based political action topic of Feb. 19 talk

Cornel West, professor of Afro-American studies and religious philosophy at Harvard University, will speak on the importance of community-based political action as part of the Distinguished Speakers Series. His presentation will take place at 8 p.m. Thursday, Feb. 19, in Schwab Auditorium on the University Park campus.

West, the son of a U.S. Air Force administrator and an elementary school teacher, spent part of his childhood in Sacramento, Calif. It was there that he began what would become his lifelong habit of protest by refusing to salute the flag because of the second-class status of African Americans in the U.S. As a boy, West was impressed by the Baptist church and some of its parishioners who, only two generations removed from slavery, managed to maintain their religious faith during the most trying of times. He also



CORNEL WEST

admired the commitment of the Black Panthers, whose office was near his boyhood church.

In 1973, West graduated from Harvard, magna cum laude. He received his M.A. in 1975 and his Ph.D. in 1980 from Princeton University. West went on to head the Department of Afro-American Studies at Princeton. Recently, he was the W.E.B. DuBois Lecturer at Harvard. He is author of numerous books including the 1993 best seller, *Race Matters* and has been the subject of profiles in both *Time* magazine and *Newsweek*. Most recently, he co-edited the book, *Struggles in the Promised Land: Toward a History of Black-Jewish Relations in the United States*.

Tickets are now available to the general public on a first-come, first-served basis. For more information, contact the Office of Student Activities at (814) 863-3786.

Thursday Night Madness continues with Feb. 19 lecture

The Department of Architecture will be host for a lecture by architect and educator George Dodds at 8 p.m. Thursday, Feb. 19, in 22 Deike Building on the University Park campus. The lecture is part of the continuing Thursday Night Madness series.

Dodds' lecture, "In the Garden of Carlo Scarpa," will examine how Scarpa's ideas of "landscape" and "garden" were central to his artistic activities. Dodds said that although Scarpa's work is often seen as a retreat from 20th century modernism, it does question the presumed boundaries between building and site. According to Dodds, "Scarpa created in his buildings, gardens and projects an extended landscape for living."

Currently a visiting assistant pro-

fessor at Drury College in Missouri, Dodds earned his bachelor's degree from the University of Detroit and his master's and doctorate degrees from the University of Pennsylvania. He has taught at the University of Pennsylvania, Temple University and Penn State. Dodds has published and lectured widely, and his designs in Philadelphia, Washington, D.C., and Detroit have won awards and critical attention.

Sponsored by the Department of Architecture, the Thursday Night Madness series is a free, weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews to students, faculty, staff and interested lay people.

Talk to focus on young entrepreneurs

Jennifer Kushell, author of the just-published book *NO EXPERIENCE NECESSARY: The Young Entrepreneur's Guide to Starting a Business*, will give a talk on "Women Becoming Entrepreneurs and Succeeding in the Workplace" on Wednesday, March 25, at 7:30 p.m. in the Study Learning Center Auditorium at Penn State Beaver. The talk is open to the public.

Kushell is founder and president of the Young Entrepreneurs Network, a Boston-based company which helps

young entrepreneurs in more than 40 countries, runs an online community and is a consultant for a variety of corporations and organizations.

Kushell's talk is part of the spring special events series at Beaver. Also part of the series, on Tuesday, April 14, James Malinchak, author of the internationally acclaimed book *From College to the Real World*, will discuss that topic at 7:30 p.m. in the Study Learning Center Auditorium on campus.

Faculty/Staff Alerts

Dress down day

Monday, March 2, has been designated "Dress Down Day" for United Cerebral Palsy.

Members of Penn State Circle K, a community service organization which participates in a variety of projects such as Special Olympics and Habitat for Humanity, are selling buttons on the University Park campus for \$3 that say "Dress Down for UCP." The event is being held to raise money to help those afflicted with the disease. Cerebral palsy is a chronic condition that affects body movement and muscle coordination, caused by damage to one or more areas of the brain. More than 500,000 children in the United States are stricken with cerebral palsy.

To purchase a button and dress down on March 2, visit the Circle K table in the basement of the Hetzel Union Building from Feb. 23-27. There are 500 buttons available for sale. Anyone wanting more information can contact the Circle K office at (814) 863-1229.

Seeking nominations

The Penn State Educational Office Professionals is seeking nominations for its Outstanding Office Professional Award. The award recognizes office employees who provide exceptional service to Penn State. All University office employees are eligible, except officers and board members of PSEOP.

Selection criteria include professionalism, industriousness, job competency, leadership skills, resourcefulness, continuous quality improvement, teamwork, problem-solving skills, reliability, quality of work, positive attitude, professional development and volunteer service on University committees and for University-supported charities.

Contact **Ronda Markley**, chair of the Outstanding Office Professional Award Committee, at (814) 865-1750 or e-mail rkh1@psu.edu for a nomination form or more information. Nominations are due by March 20.

2,000 and counting

Newsline, an e-mail news delivery service from the Department of Public Information, has just signed on its 2,000th subscriber. The breakdown of subscribers includes approximately 1,155 alumni; 60 journalists; 485 faculty, staff and other Penn State employees; 80 parents of current students; 70 students; and 150 friends of the University who are not alumni. Newsline is an automatic way to stay up-to-date with articles on the Penn State budget, new programs, upcoming events, major new appointments and special happenings.

To subscribe, send an e-mail message to pat5@psu.edu giving your name, your Penn State affiliation, if any, and your return e-mail address.

Free stuff

The Office of University Relations has published a new edition of *Penn State Facts*, a small brochure containing basic facts and figures about the University's mission, enrollment, finances, achievements and related activities. Copies can be obtained by calling (814) 863-4512 or e-mailing als5@psu.edu.

Swimming hours

For information on lap swimming hours or a schedule of open times for the McCoy Natatorium or the White Building pool on the University Park campus, call the 24-hour swim hotline at (814) 865-3488 or visit the Web at <http://www.psu.edu/dept/nat>.



Making the rounds

The American Red Cross Bloodmobile was parked behind Old Main on the University Park campus recently to collect blood donations. Several blood drives are scheduled for the campus. For information, see the information below.

Photo: Greg Grieco

Experiencing panic attacks?

Are you bothered by panic attacks? The Stress and Anxiety Disorders Institute at Penn State is conducting an ongoing research study which offers free therapy if:

1. You have experienced at least four panic attacks in the past month which include, but are not limited to, symptoms of shortness of breath, rapid heartbeat, trembling and sweating;
2. These symptoms reach a peak in less than 10 minutes; and
3. At least one attack is unexpected. At least one attack is followed by one month or more of worry about having another attack, worry about the implications of the attacks, or behavior change as a result of the attacks.

People (ages 18-65) included in the study will receive free psychotherapy as well as assessments before and after treatment. A brief telephone interview will help researchers make a preliminary determination of the suitability of this program for you. Strictest confidentiality is maintained. If interested, please call (814) 863-0115 and leave a message saying you are interested in the anxiety study. The principal investigator on this study is **Michelle Newman**, assistant professor of psychology.

Broadcasting in stereo

Now, viewers of WPSX TV with stereo-capable television receivers can hear symphonies, operas and other musical programs in full hi-fidelity sound. In addition, many children's programs, nature and drama productions also will be broadcast in stereo.

The work to convert Channel 3's signal to stereo will enable the station to eventually add Descriptive Video Service (DVS) to its signal. DVS is a national service that makes PBS television programs and other visual media on videotape, accessible to people who are blind or visually impaired. The station is currently seeking funding to complete the upgrade which will allow them to carry the DVS signal.

Many programs in Channel 3's schedule will be broadcast in stereo including "Great Performances," "NOVA," "Live From Lincoln Center," "Nature" and numerous other performance, documentary and nature programs. In addition, most children's programs including "Sesame Street," "Arthur," "Barney & Friends" and "Reading Rainbow" will be broadcast in stereo.

Blood drives scheduled

Several blood drives have been scheduled during spring semester on the University Park campus. The schedule, which is subject to change, follows:

- Wednesday, Feb. 18: Applied Research Lab, 10 a.m. to 4 p.m.
- Thursday, Feb. 19: Office of Physical Plant, 9 a.m. to 3 p.m.
- Friday, Feb. 20: Reber Building, 9 a.m. to 3 p.m.
- Wednesday, Feb. 25: HUB, 10 a.m. to 4 p.m.
- Friday, Feb. 27: Agricultural Administration, 9 a.m. to 3 p.m.
- Wednesday, March 25: Wagner, 10 a.m. to 4 p.m.
- Thursday, March 26: Kern, 10 a.m. to 4 p.m.
- Monday, March 30: Simmons, 1-7 p.m.
- Wednesday, April 1: Atherton, 1-7 p.m.
- Thursday, April 2: Waring, 1-7 p.m.
- Monday, April 6: Pollock, 1-7 p.m.
- Tuesday, April 7: Fisher, 1-7 p.m.
- Wednesday, April 8: Warnock, 1-7 p.m.
- Tuesday, April 14: HUB, 10-4 p.m.
- Wednesday, April 15: HUB, 10 a.m. to 4 p.m.
- Thursday, April 16: HUB, 10 a.m. to 4 p.m.
- Friday, April 17: Steidle, 10 a.m. to 4 p.m.
- Thursday, April 23: HUB, 10 a.m. to 4 p.m.

ARTS & ENTERTAINMENT

AT PENN STATE



On display

"Anthony's Nose on the Hudson," an oil on canvas work by American artist Victor de Graillay, is one of the featured works in the exhibit "Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints." The exhibit will be on display through May 17 in the Special Exhibition Gallery I of the Palmer Museum of Art on the University Park campus.

Voice recital

Dana L. Louder, a graduate student in voice, will perform her graduate voice recital at 8 p.m. Saturday, Feb. 14, in the School of Music Recital Hall on the University Park campus.

The recital is free to the public.

Organ recital

Eight students from the organ studio of June Miller, associate professor of music, will play in a free recital at 2 p.m. Sunday, Feb. 15, in the School of Music Recital Hall on the University Park campus.

Thomas Owens, Tom Artman, Michael Stitzel, James Unger, Matthew Russell, James Lease, Eileen Penn and David Citron will perform.

Courses

Health Matters Programs

To register for the following program offerings on the University Park campus, please see your *Health Matters* brochure or contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ Shiatsu WEL 135

Through "finger pressure," shiatsu promotes the body's own healing abilities and the flow of energy.

Learn more about this therapy on Monday, Feb. 16, noon-1 p.m., 301 Agricultural Administration Building. Cost: \$5

■ Be Well Advised WEL 120

Become a savvy medical consumer! All participants receive a manual. Meets Tuesday, Feb. 17, noon to 1 p.m., 110 Henderson Building. Cost: \$10. HealthAmerica HMO participants receive reimbursement.

This concert is presented as a preview of the ensemble's performance at the College Band Director's National Association Eastern Divisional Convention to be held at University Park Feb. 27 through March 1. Associate professors of music Dennis Gloccke and O. Richard Bundy will conduct.

Bach's Lunch

Essence of Joy will sing at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 19, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Essence of Joy is a choral ensemble of around 45 singers which performs sacred and secular repertoire from the African American experience.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Country in Williamsport

Country artist Tracy Lawrence will make his Williamsport debut at 7:30 p.m. Sunday, May 3, in the Community Arts Center, part of Penn College.

Lawrence has sold more than 5 million albums since bursting onto the scene in 1991, and has enjoyed 11, No. 1 hits, from his initial "Sticks and Stones," to last year's "How a Cowgirl Says Goodbye."

Tickets are \$29.50, \$24.50 and \$19.50. For more information, call the Community Arts Center box office at (717) 326-2424 or the NAC Omni line at (800) 432-9382.

"Joseph and the Amazing Technicolor Dreamcoat"

"Joseph and the Amazing Technicolor Dreamcoat" has been added to the 1997-98 season of the Community Arts Center in Williamsport, part of Penn College. This Andrew Lloyd Webber/Tim Rice mega-hit, the first collaboration between these two successful practitioners of the modern Broadway musical, will play at 7:30 p.m. Wednesday, May 6.

"Joseph" is a rainbow ride through biblical Egypt during the time of the Pharaohs. This musical about the trials



BRYCE JORDAN CENTER

Upcoming events

■ **Feb. 24:** Harlem Globetrotters, 7:30 p.m. Tickets: \$21.50 and \$15. Discounts available for youth, senior citizens, faculty, staff and students.

■ **Feb. 27-March 1:** 1998 Home Show. For information, call (814) 231-8813.

■ **March 5:** LeAnn Rimes and Bryan White, 7:30 p.m. Tickets: \$26.

■ **March 7-8:** Big Ten Wrestling Championships, 11 a.m. and 7 p.m. March 7; and noon March 8. For tickets, call (814) 863-1000.

■ **March 25:** Lord of the Dance, 8 p.m. Tickets: \$39.50 and \$28.50.

■ **March 26-29:** Pennsylvania Sportsman Hunting, Fishing and Outdoor Show; 5 p.m. to 9 p.m. March 26; 10 a.m. to 9 p.m. March 27 and 28; and 10 a.m. to 5 p.m. March 29. Tickets: \$5, adults; children 12 and under free. For tickets, call (814) 863-1000.

■ **April 8:** Bolshoi, 7:30 p.m. Tickets: \$50 and \$25.

■ **April 16-18:** NCAA 1998 Men's Gymnastics Championships, 7 p.m. For tickets, call (814) 863-1000.

■ **April 22:** Hank Aaron, Distinguished Speaker Series presentation, 8 p.m., free admission.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

and triumphs of Joseph, Israel's favorite son, paints a picture of betrayal and hardship, prophecy and forgiveness.

Tickets go on sale Monday, Feb. 16, and are \$40, \$33, \$25.50 and \$20.50. For more information, call the Community Arts Center box office at (717) 326-2424 or its NAC Omni line at (800) 432-9382.

■ Yoga WEL 095

Section 1: "Introduction to Yoga," Tuesdays, Feb. 17-March 31, 11 a.m. to noon, Paul Robeson Cultural Center

Section 2: "Ongoing series," Tuesdays, Feb. 17-March 31, noon to 1 p.m., Paul Robeson Cultural Center. Cost: \$35. HealthAmerica HMO participants receive reimbursement once for each level.

■ Passages for Men WEL 129

Many men face challenges of balancing personal needs with work expectations, family demands and retirement planning. Hosted by a counselor who specializes in the lifetime development model, the program will discuss issues surrounding day-to-day life, the career decision-making process and creating balances and boundaries. Meets Friday, Feb. 20, noon to 1 p.m., 110 Henderson Building. Cost: None.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, February 13

"Mike Evock," concert, noon, Kern lobby.
Robin Seymour, gallery talk on "Contemporary Art at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

"Celebration of Love," student preview, 7:30 p.m., Old Main.
For tickets, call (814) 863-2142.

School of Music Montage, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Saturday, February 14

William Kinderman, piano, guest recital, 4 p.m., Recital Hall.

Reception and concert, "Celebration of Love," 7:30 p.m., Old Main. For tickets, call (814) 863-2142.

"Street Sounds," 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Sunday, February 15

Organ Studio Recital, 2 p.m., Recital Hall.
"Story Time" by Jan Kinney, 2 p.m., Special Exhibition Gallery II, Palmer Museum.

Vanbrugh Quartet, 3 p.m., Schwab auditorium. For tickets, call (814) 863-0255.

Meredith Hunter, voice, student recital, 4:30 p.m., Recital Hall.
Michael Rider, voice, student recital, 8 p.m., Recital Hall.

Monday, February 16

Centre Dimensions Jazz Ensemble, 8 p.m., Recital Hall. For tickets, call (814) 865-0431.

Wednesday, February 18

"Three Sisters," student preview, 8 p.m., Pavilion Theatre, through Feb. 19. For tickets, phone (814) 863-0255.
Symphonic Wind Ensemble, 8 p.m., Recital Hall.

Thursday, February 19

Essence of Joy, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

"Darnm Yankees," 8 p.m., Eisenhower auditorium, through Feb. 20. For tickets, call (814) 863-0255.

Friday, February 20

"Victorian Brass," concert, noon, Kern lobby.
■ Scott Schweigert, gallery talk on "16th- and 17th-Century Italian Paintings at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

"Three Sisters," 8 p.m., Pavilion Theatre, through Feb. 28. For tickets, call (814) 863-0255.

Jaime Pomponio, flute, student recital, 8 p.m., Recital Hall.

Saturday, February 21

David Glem, gallery talk on "American Prints between the Wars," 11:30 a.m., Christoffers Lobby, Palmer Museum.
Milch Gabel, trumpet, graduate recital, 3 p.m., Recital Hall.
"Magic and Mischief at the Symphony," 3 p.m., Eisenhower auditorium. For tickets, call (814) 863-0255.

Metropolitan Opera National Council Winners, 8 p.m., Schwab auditorium. For tickets, call (814) 863-0255.

Celebration of African American Spirituals, 8 p.m., Recital Hall. For tickets, call (814) 865-0431.

Sunday, February 22

Jennifer Streib, gallery talk "The Hudson River School Landscape," 2 p.m., Christoffers Lobby, Palmer Museum.
Teri Stephen, percussion, student recital, 2 p.m., 122 Music II.
Celebration of African American Spirituals, 3 p.m., Recital Hall. For tickets, call (814) 865-0431.

Percussion Studio Recital, 8 p.m., Recital Hall.

SEMINARS

Friday, February 13

Linda LaSalle on "Relationship Violence," noon, 120 Boucke.
Alan Taylor on "Who's Minding the Park? Forest Changes and Natural Resource Policy in Lassen Volcanic National Park," 4 p.m., 206 Walker.

■ Anna Petronella Fredlund on "Expression and Doubt in Merleau-Ponty's Early Philosophy," 4 p.m., 124 Sparks.

Saturday, February 14

Robert E. Kennedy on "Attention Deficit Disorders," 11 a.m. to 12:30 p.m., Kern auditorium.

■ Scott Burnham and William Kinderman on "Four Views of Beethoven. Perspectives from the Memorial Years 1827, 1870, 1927, 1970," 8 p.m., Recital Hall.



At the Palmer

"Fourteenth Street, The Wigwam," an etching by John Sloan, is included in the exhibition "The American Printmakers, 1920-1945" on display at the Palmer Museum of Art on the University Park campus through June 14.

Sunday, February 15

■ Panel discussion on "The Life in Music: Perspectives on Beethoven's Piano Sonata in E Major, Op. 109," 1 p.m., Alumni Lounge, The Nittany Lion Inn.

Monday, February 16

The Rev. Phil Bender on "Physician Aid in Dying: A Faith Perspective," noon, 212 Eisenhower Chapel.

Benjamin Ehrhart on "Sedimentation Basin Impacts on Stream Ecosystems" and Larry Hoover on "Interactions Between Mechanical Processing and Length of Cut on Particle Size Distribution, Compaction, Nutritive Quality and Digestibility of Corn Silage," 12:20 p.m., 339 Davay Laboratory.

Petr Horava on "M-Theory as Holographic Field Theory," 2 p.m., 339 Davay Laboratory.

Hae-Young Kee on "Theory of the Tunneling Anomaly of Superconductor in Paramagnetic Regime," 3:30 p.m., 339 Davay Laboratory.

Tuesday, February 17

Paul Mathias on "Molecular Modeling for Engineering Design and Materials Development," 10 a.m., 146 Fenske Laboratory.

■ Gordon DeJong on "Gender, Motives and Norms in Migration Decision-Making," noon to 1 p.m., 406 Oswald Laboratory.

Daniel Holz on a subject to be announced, 2 p.m., 339 Davay Laboratory.

Fred Olness on "Heavy Quark Production in QCD," 3:30 p.m., 339 Davay Laboratory.

Claude dePamphilis on "Evolutionary Biology of Photosynthetic and Nonphotosynthetic Parasitic Plants," 4 p.m., 8 Mueller Laboratory.

Richard Allison on "The Interface of Nutrition Science and Nutrition Policy," 4 p.m., S-209 Henderson.

Wednesday, February 18

■ Adrian Wanner on "Folly, Nonsense, Twaddle, Subversion and Disorder: Alexei Remizov's Dreams and the Surrealist Revolution," noon to 1 p.m., 316 Burrows.

Kathy Lyons presents film/discussion on "Ida B. Wells — A Passion for Justice," noon to 1 p.m., 120 Boucke.

Hormoz Bassirad on "Compensatory Adjustments in Plant Nutrient Uptake: Varying Responses to CO₂ Enrichment," 12:20 p.m. to 1:10 p.m., 106 Warkit Laboratory.

Rebecca Corwin on "Failure to Regulate Food Intake and Body Weight with Age," 4 to 5 p.m., 110 Henderson.

■ Joseph Cotter on "Aristophanes' Birds" (414 BC), Petrolini's "Nerone" (1930) and Schuenzen's "Amphyon" (1935): Old Comedy and the Celebration of Fascism," 4:30 p.m., 102 Weaver.

William Sales on "From Civil Rights to Black Liberation: Malcolm X and the Organization of Afro-American Unity," 7:30 p.m., Paul Robeson Cultural Center.

Thursday, February 19

Gerald Cleaver on "Mass Hierarchy and Flat Direction in Free Fermionic String Models," 10 a.m., 210 Davay Laboratory.
John Lamancusa discusses project-based learning, noon, 304 Rider II.

Digby D. MacDonald on "Passivity: The Reason for Our Metals-Based Civilization," 12:15 p.m., S5 Osmond Laboratory.

Edward Buckner on "Maze Genome Evolution," 12:30 p.m., 8 Mueller Laboratory.

■ John Rickard on "Rogues, Rascals and Romantics: The Culture of Australian Masculinity," 12:30 p.m., 102 Weaver.
Kirill Krasnov on "Spin Foam Models of Binary Neutron Stars," 1 p.m., 339 Davay Laboratory.

Anthony Johnson on "Ultrafast Optical Phenomena," 3:30 p.m., 101 Osmond Laboratory.

Sharon Dolan on "The Effects of Episodic Stream Acidification on a Wild Brook Trout Population," 3:45 p.m., 112 Bucknall Laboratory.

Charles E. Yesalis on "Trends in Anabolic Steroid Use Among U.S. Adolescents," 4:15 p.m. to 5:30 p.m., 123 Chambers.
Cornel West to speak at 8 p.m., Schwab auditorium. For tickets, phone (814) 863-3786.

George Dodd on "In the Garden of Carlo Scarpa," 8 p.m., 22 Deike.

Friday, February 20

Jennifer R. Welch on "Urban Poverty and the Production of Place," 4 p.m., 206 Walker.

John Christman on "Liberal Autonomy and the Social Constitution of Selves," 4 p.m., 151 Willard.

Saturday, February 21

Anthony A. Grace on "Schizophrenia," 11 a.m. to 12:30 p.m., Kern auditorium.

EXHIBITS

Computer Building

■ "Faces of America" by Javier Escudero, through March 5.
HUB Browning Gallery

Pen, ink and collage works by Ann Chowla, through Feb. 22.

HUB Formal Gallery

"Inside Out" photographs by Debra Dilworth, through Feb. 22.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

North Halls

"From the Past to the Present: The 3-Is of Life" by Crystal Brown, through Feb. 26.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That Is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Ritenour Lobby

■ African masks by Kathleen Donovan, through March 5.

Waring Hall

Photographic works by Lisa Graves, through March 5.

West Halls

Photographs by Lisa Graves, through Feb. 26.
Zoller Gallery

Undergraduate Juried Exhibition, through March 4.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>



Making a difference

Are you wondering how CQI is making a difference at Penn State? Come to a Feb. 26 panel and learn how four teams have made a difference for their customers and the University.

From 8:30 - 10 a.m. in The Nittany Lion Inn Alumni Fireside Lounge, team representatives will present "Still Making a Difference: Four Teams Discuss Process Improvements." Panelists are: Jim Wager — "Improving the Student Enrollment Process;" Sue Wiedemer — "One-Stop Shopping in the Bursar's Office;" Deb Howard — "Streamlining Real Estate & Property Management;" and Cindy Nicosia — "Decentralizing Graduate School Admissions."

Please call the Center for Quality and Planning at (814) 863-8721 or e-mail dnp101@psu.edu (Dan Nugent) if you plan to attend.

Liberal Arts team charged

It's the goal of a new team in the College of the Liberal Arts to better coordinate services and events offered jointly by the college's offices for alumni relations and undergraduate programs. The team is sponsored by Ray Lombra and Terry Peavler and is led by Marilyn Byers. Susan Kennedy is the team facilitator. Members include: Linette Courtney, Elena DeLuca, Chris Gamble, Mary Kay Hott, Janet Klinefelter and Angie Parrott.

Quality Conference and Expo April 21-22

Don't forget to mark your calendars for the Quality Conference on April 21-22 at The Penn State Conference Center Hotel and the Quality Expo on April 22 at The Nittany Lion Inn.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LEST@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.

Higher education must adapt to challenges of new millennium

By ANNEMARIE MOUNTZ
Public Information

Although the dawn of the new millennium is officially still a few years away, higher education institutions already are operating in the 21st century. The model of the successful research-intensive university cannot survive in this new culture without change and adaptation, according to C. Peter Magrath, president of the National Association of State Universities and Land-Grant Colleges.

Magrath spoke on "The Future of the Land-Grant University in the 21st Century" at the Penn State Issues Forum at University Park on Feb. 5.

"In the years ahead, universities are going to have to scramble for resources and support in many dramatic ways. We need college and university leaders to be joined by enlightened and forward-thinking faculty who will examine ways in which we can make all our operations as efficient as humanly possible—including the especially difficult academic and curricular side," he said. "We must be vigilant in our use of resources, money being one, if our universities are to function at high speed and with full effectiveness in their mission of service to society."

Magrath said part of that vigilance includes fostering a new academic culture.

"The critical challenge is that we must modify our academic culture so that we truly value teaching, learning and outreach, and reward them as much as the research side," he said.

He said that fiscal support of research is finite, and is too precious to be scattered both within established research-intensive universities and among countless other universities who aspire to be labeled as such.

"This is a fundamental challenge for us. If the mindset or culture can be modified so that superb teaching and learning and other forms of educational engagement or outreach are valued and prized as highly as the pure research function, then it will be easier to have a more natural system of higher education in which only a limited number of universities will be major research universities," he said.

This will work to eliminate redundant programs both within bona-fide research universities and among schools that aspire to be research universities. In the new era, there will be a more rational division of labor and a more effective and efficient use of the limited resources available for research.

President Graham B. Spanier agrees.

"Peter's message strongly reinforces the importance of our efforts at



Change is needed

C. Peter Magrath, president of the National Association of State Universities and Land-Grant Colleges, said a new academic culture is needed for the new millennium.

Photo: Greg Grieco

this institution to integrate teaching, research and service," he said. "The University's renewed emphasis on outreach initiatives, the newly-launched World Campus and the dedication to increased opportunities for learning for all of our students through the Center for Excellence in Teaching and Learning, the Schreyer Honors College and other programs all are tangible evidence of this new academic culture at Penn State."

From his first day as University president, Spanier, who also serves as chairman of the Kellogg Commission on the Future of State and Land-Grant Universities, has emphasized the need to integrate the University's intertwined and interdependent missions in order to see Penn State operate successfully in the 21st century. Magrath sees such efforts from institutions of Penn State's calibre as essential for the success of higher education—and society in general.

"It's critical that these kinds of self-examination and constructive calls for change come from successful state and land-grant universities such as Penn State that have benefited, profited from and contributed to the historical system that now needs to be adapted to the new century. If they speak and act, others will eventually listen and follow," Magrath said.

Magrath said that in recent years,

American universities have become far more efficient, particularly on the administrative side, as well as increasingly creative in their use of funds. They've become committed to greater focus and less duplication.

"Efficiency and less redundancy will not by themselves bring fiscal sufficiency, but they are critical building blocks if we are to maintain public confidence and attract support from state and federal government, and from the business and industrial sectors," Magrath said.

He said state and land-grant universities must engage even more fully in new, imaginative ways with society. He envisions a future full of collaborative partnerships with regional universities and smaller governments, as well as with business, industry and communities.

"When all is said and done, the future of American higher education depends on all our colleges and universities, whether research-intensive or the smaller liberal arts colleges, focusing fundamentally and essentially, though not exclusively, on learning and teaching of students," Magrath said. "If their interests are not served by our colleges and universities, a good future for higher education, and even more important for our society, becomes questionable."

University poised to unveil unique new ID card

By Pam Seasoltz
Special to Intercom

It's a new look and new options for the Penn State ID card. Rolling out at the end of spring semester for students, faculty and staff will be the new Penn State ID card—id+. The card, featuring the Nittany Lion Shrine, will include several optional services in addition to being the University's photo identification card. The new card will feature options such as banking and long-distance phone services.

The new card will be issued between spring and summer semester and full implementation is expected by fall. A carding event will be held in April at University Park to re-photograph and issue new cards to the campus population.

According to Thomas Gibson, assistant vice president for auxiliary services, the new card will continue to be used in the same manner as the old card but will now offer capabilities of several cards in one.

"First and foremost, the new id+ card will serve as the official Penn State photo ID. And it will continue to allow students, faculty and staff access to University services such as library, meal plans, building and lab access, and sporting events," Gibson said. "However, the id+ symbol indicates you can also have additional services and still only carry one card. It can be used on or off campus, is convenient, yet is still personal."

A major new option available to



More than just a pretty card

The new Penn State id+ card was created to be both more secure and more versatile.

cardholders is they may elect to sign up with local banks to use their Penn State ID card as an ATM card. Although the number of banking institutions that will be participating in the program has not been finalized, Gibson said the University is hoping that most banks near the University will want to participate.

"The exciting thing about this option is that we are creating a network of participating banks. A lot of colleges have done the one card program with only one bank. But we are the first to do it with a multiple bank application. Our goal is to have the major banks in the state be members of our network," he said.

The University has contracted with the Penn State Federal Credit Union to act as the network administrator for all banks participating in the program.

The new card also will feature an optional AT&T calling card service for students. If student cardholders choose the calling card option, a calling card number will be printed on the back of their cards and a PIN number will be issued.

Another noticeable change to the new ID card is the deletion of the nine digit student number from the front of the card to provide increased privacy and security. In its place will be a 16-digit card number which will be

used in banking and other card-reading applications. The nine digit student number has not changed and is still used as the primary student identifier in the University's administrative system. The new cards also will not include a signature.

As a first step in initiating the new card, the University upgraded its ID card production system. Across the state, each campus ID station is networked to a common database that stores cardholder photo images. Since the images are stored, lost cards can be replaced quickly and easily without having to retake the photograph.

"The new system has reduced the turnaround time for getting a new ID card from two weeks to several minutes," Joel Weidner, ID project manager, said.

Gibson said he believes the new card is going to generate a lot of interest in the community, as well as across the state and country.

The magnetic encoding on the card's stripe also has been changed to accommodate the new applications. Departments currently reading the magnetic stripe on the ID card may obtain the encoding specifications for the new ID card by writing to Weidner at 133 Housing and Food Services Building, University Park, Pa. 16802.

For more information on the new ID program, check the Web at <http://www.hfs.psu.edu/IDCard/id+> or e-mail Weidner at jw2@psu.edu.

Budget

continued from page 1

within the State System of Higher Education (SSHE), state-related institutions (like Penn State) and community colleges, but also reduces taxes for many businesses and low-income taxpayers and has no significant tax increases.

The governor's fiscal blueprint also includes increased funding for grants to needy college students through the Pennsylvania Higher Education Assistance Foundation to the amount of \$17.5 million.

In its budget request, Penn State sought a \$24.6 million increase, or 8.4 percent, over the 1997-98 appropriation of \$289.7 million. This year's \$314.3 million request reflects increases to cover basic operating costs and to improve competitiveness. Part of the \$314.3 million will go toward funding 75 new faculty positions; upgrading technology and library services; a workforce development initiative; deferred maintenance; and funding life sciences and other academic programs.

"We recognize that higher education is only one component of the state's budget and there are certain compelling, competing needs," Spanier said. "But an additional investment in Penn State will definitely have great benefits for Pennsylvania residents."

Last fall, in the early stages of the state's public projections, the University joined other public schools in the state to present a four-year funding

University's budget is available on the Web

For the second year in a row, Penn State's current budget is on the Web. To access the complete budget—more than 400 pages—go to the University's home page at <http://www.psu.edu/> or to the University Relations site at <http://www.psu.edu/ur>. From there, hot links will lead to the budget.

Those wanting to review the document will

need a free software package called Adobe Acrobat Reader, which can be downloaded from the University Relations Web page.

From the online budget document, viewers can find detailed information about the budget, from a pie chart on income sources to spending on specific programs.

plan for all of Pennsylvania public higher education, stressing its importance to the vitality and progress of the state. More recently, 11 leaders from the SSHE visited the Capitol to lobby for more funding. Within Pennsylvania, Penn State receives a lower educational and general appropriation per student than any other public college or university, while its class size and student/faculty ratio are the largest of all public universities in the Commonwealth.

Spanier is in Harrisburg this week, talking to legislative leaders about the need for increased funding. On Feb. 23, the president will again travel to the state capital to testify and answer questions from state senators about Penn State's appropriation request. A third trip to Harrisburg on March 3 will again allow Spanier the opportunity to answer similar questions from members of the House of Representatives.

"We are hopeful that in the coming months as the Legislature and governor work through budget negotiations, funding for our proposed initiatives will be given a higher priority," Spanier said. The

president said the money is needed to not only cover the new initiatives, but to also make up for years of underfunding from the state. Even with the 8.4 percent increase the University is seeking, Spanier has indicated a tuition increase of about 3.2 percent is in the offing.

"We have been extremely responsible fiscally," Spanier said. "These increases are not only necessary, but reasonable particularly in light of our efforts over the years to reduce costs."

For years, Penn State has been involved in an aggressive effort to pare down its expenses and create more effective and efficient ways of operating. The University has reallocated more than \$72 million since 1992, moving funds from administrative and support activities to the academic side to fund critical needs. Further budget reallocations are included in the University's 1998-99 budget plan and this will be the seventh consecutive year that an internal budget reallocation process has been in effect.

Appointments

Dickinson School of Law names several to top posts

■ Director of development comes on board

Robert S. Arp has been named director of development and external affairs at The Dickinson School of Law. Arp will oversee the law school's ongoing fund-raising and capital campaign activities.

A graduate of UCLA and the Whittier Law School, Arp most recently served as director of advancement at the Whittier Law School. Before joining Whittier, he was associate executive director of the San Fernando Valley Unit of the American Cancer Society. He previously had served as director of the annual fund at the University of Pacific, director of student/alumni relations at UCLA and as assistant director and later director of the UCLA Foundation's phonathon. He is lieutenant commander in the U.S. Naval Reserve.



ROBERT S. ARP

■ Staff attorney appointed

Donald Marritz has been named staff attorney for the family and disability law clinics at The Dickinson School of Law.

Marritz, a graduate of Swarthmore College and the University of Colorado School of Law, is on leave from his position as managing attorney of the Gettysburg office of Legal Services Inc.

In his position with the law clinics, Marritz assists faculty members in supervising law students



DONALD MARRITZ

who represent low-income residents of Cumberland County with family or disability law matters.

Marritz is a longtime member of the Pennsylvania Bar Association's Civil & Equal Rights Committee, which he currently co-chairs. He is past president of the Adams County Bar Association and for several years taught philosophy of law at Gettysburg College.

He has published a law review article about the Pennsylvania Constitution and is one of the principal authors of a series of community education pamphlets used by Legal Services offices throughout Pennsylvania. He has been a legal assessment commentator for the American Bar Association's Central and East European Law Initiative program.

■ Vice dean welcomed to campus

Michael J. Navin has been appointed vice dean of The Dickinson School of Law.

Navin, who served as dean of the law school from 1987 to 1989, succeeds the late Peter N. Kutulakis. As vice dean, Navin will continue to serve as

chair of admissions and financial aid and will oversee the career services, management information services, plant and grounds offices, and the Cate Per Se. He also will be responsible for non-academic student counseling and will serve as director of Business Services and as human resources representative.

Before coming to Dickinson, Navin taught at the University of San Diego School of Law for 14 years. Before that, he taught at Willamette University College of Law in Salem, Ore., and was in private practice in Seattle. He has been active in the law school admission council and the Association of American Law Schools. During the summer of 1994, he served as director and professor for the University of San Diego's Dublin (Ireland) Institute on International and Comparative Law. He has both his undergraduate and law degrees from the University of Connecticut.



MICHAEL J. NAVIN

■ Special projects consultant joins team

Ken Nicely has been appointed special projects consultant at The Dickinson School of Law. In this position, Nicely will work primarily in the career services and continuing education offices, but also will assist with student recruitment.

Nicely is a 1969 graduate of St. Vincent College, Latrobe, Pa., and a 1974 graduate of the law school. He previously served in various positions with the Pennsylvania Public Utility Commission for more than 22 years. From 1995 to 1997, he served as the director, Bureau of Transportation and Safety. He has been active with the Pennsylvania Bar Association and is a former chair of the PBA's Public Utility Law Section. He is a life fellow of the Pennsylvania Bar Foundation.



KEN NICELY

College of Medicine appoints chair of psychiatric research

Edward O. Bixler, professor of psychiatry in the College of Medicine and director of the sleep laboratory at The Milton S. Hershey Medical Center, has been appointed to the University Chair in psychiatric research within the College of Medicine.

Bixler is internationally respected in the area of sleep research, especially the epidemiology of sleep apnea. He has been with the Department of Psychiatry for 26 years as director of both psychiatric research and the Sleep Laboratory and associate director of the Sleep Research and Treatment Center. He also has been the department's director of the Performance Evaluation Laboratory since

1972 and the Audiovisual Training Resources Laboratory since 1973, and served for 16 years as its vice chairman of research and administrative affairs.

He has authored or co-authored 148 scientific articles and book chapters. Regarding normal sleep, Bixler has published major articles relating to the effects of aging on sleep, hypertension and sleep, and respiration and sleep. He also has published extensively on various aspects of major sleep disorders.

Bixler has received extensive funding for his research from the National Institutes of Health, the National Aeronautics and Space Administration (NASA) and a number of pharmaceutical firms. He is currently the principal investigator of a five-year NIH grant titled "Prevalence of Sleep Apnea in Women."

He is a member of numerous societies and has served as an editorial adviser for the *International Journal of Neuroscience*, as consulting editor and reviewer for *Psychophysiology* and as reviewer for the *Journal of Applied Physiology*, the *Journal of Clinical Pharmacology* and the *Journal of the American Medical Association*, as well as for various granting agencies.

At Hershey, Bixler has served on both the clinical investigation and research computing facility advisory committees for more than 20 years, and is active on several other committees.

He holds a bachelor's degree from Occidental College, Los Angeles; a master's degree in experimental psychology from Long Beach State College in California; a master's degree in physiological psychology from the University of Arizona, Tucson; and a doctorate in physiological psychology from the University of New Mexico, Albuquerque.

Penn State DuBois appoints student life coordinator

Rebecca Strasavich has been named the student life coordinator at Penn State DuBois.

As student life coordinator, Strasavich will work with the student body, administrative staff, faculty and the community to provide programs, events, workshops and activities outside the classroom that enhance the educational experiences available at the campus. She will help students organize and promote activities and events; coordinate the Cultural and Performing Arts Series; advise the Student Government Association; and orient students to college life.

A 1997 Penn State graduate with a bachelor's degree in human development and family studies (with a minor in psychology and a concentration in sociology), Strasavich attended Penn State DuBois from 1994-96. While a student at DuBois, she served as co-president and treasurer of the Outing Club and was selected for membership in the honor society Delta Mu Sigma.



EDWARD O. BIXLER

Research

Affirmative action did not boost enrollment at law, medical schools

By VICKI FONG
Public Information

The legal heart of today's affirmative action policies, the Bakke decision, did not generate dramatic results as claimed by supporters and detractors. In a recent study, two political scientists argue that the 1978 legal ruling did not significantly increase or decrease minority enrollments at U.S. medical and law schools.

The authors question whether the energy spent debating a affirmative action might be better directed at finding more effective ways to combat discrimination and enhance opportunities.

"Bakke's effect on minority enrollment was far less than either supporters or opponents predicted," said Susan Welch, professor of political science and dean of the College of the Liberal Arts. "It produced almost no change in pre-Bakke levels of minority applications and enrollment or admissions decisions made about minorities."

"However, the decision was significant because it legitimized and institutionalized the practice of affirmative action in higher education," said co-author John Gruhl, a political science professor at the University of Nebraska.

The Bakke decision was a 1978 Supreme Court ruling which struck down quotas but approved the use of race as one factor in admission policies at colleges and universities. In the case, Regents of University of California vs. Bakke, a white student sued for



Research by Susan Welch, professor of political science and dean of the College of the Liberal Arts, shows virtually no change in enrollments at U.S. medical and law schools as a result of the 1978 Bakke decision, which struck down quotas but approved the use of race as a factor in admission policies at colleges and universities.

Photo: Greg Grieco

reverse discrimination after being rejected for medical school.

In their study of African American enrollment in medical schools, the two researchers found the greatest jump — from 200 to 1,200 — occurred between 1965 and 1975, three years before the Bakke court case. Then, from 1975 to 1985, enrollments were stagnant, rising only gradually, rather than rapidly as predicted. In the 1990s, however, the numbers climbed sharply to a peak of more than 1,500.

The trends were generally similar for Hispanics, except that the 1975-85 period reported slow upward growth, leveling off in the late 1980s.

"The steep upward climb in minority enrollment had reached a plateau

before Bakke and would not resume again until more than a decade after the decision," said Welch.

The researchers saw similar conclusions in reviewing African American and Hispanic first-year enrollments in law schools. For African American students, enrollment stayed stagnant from 1975 to 1986, followed by a rather sharp increase beginning in 1987. Hispanic enrollments rose slowly but fairly consistently from 1969 to 1995.

The more influential factors affecting minority applications and enrollments may have been the passage of the Civil Rights Act of 1964; the growing middle class in the African American community; and the large increase in the number of college educated minorities in the late 1980s

and 1990s. More families could afford to send their children to professional schools, said Welch and Gruhl.

The researchers also surveyed admissions officers in medical and law schools about their perceptions of the decision's impact and of their admission policies.

"More than three-quarters of the medical school officials and 63 percent of the law officials claim it affected policies not at all," Welch said. "Only a small minority of schools reported that Bakke changed, rather than reaffirmed, their admission policies."

"Perhaps, a better route is for Americans to come together and devise more effective ways to overcome racial discrimination," she said.

Incinerator opponents can fight City Hall

Grassroots resistance to big companies with major resources has a good chance of success, as shown by community efforts to block construction of incinerators, according to authors of a new book.

"Ordinary people increasingly confront large bureaucracies over which they feel they have little or no control," said Edward J. Walsh, associate professor of sociology. "Our evidence shows, however, that corporate power is more fragile than many citizens imagine. This was demonstrated dramatically by our study of eight attempts to locate incinerators in Pennsylvania, New York and New Jersey in the late 1980s."

Grassroots opposition defeated five of the eight attempted sitings, located in Broome and St. Lawrence Counties, N.Y.; Cape May County, N.J.; and Lackawanna and Philadelphia counties in Pennsylvania. The three efforts in Delaware, Montgomery and York counties in Pennsylvania were approved by county governments.

"For groups opposed to incinerator sitings, the key to success is the ability to mobilize widespread county support and shed the parochial 'not in my back yard' image," said Rex Warland, professor of rural sociology.

Walsh, Warland and D. Clayton Smith, a recent Penn State Ph.D. graduate and now a data analyst with the Kentucky Department of Education, are co-authors of a new book, *Don't Burn It Here: Grassroots Challenges To Trash Incinerators*, published by Penn State Press.

"Grassroots resistance to government and corporation-sponsored projects is not for the faint-hearted," Walsh said. "Our research reveals that many people are still intimidated by societal elites and modern technologies. Because they perceive themselves, families or friends as vulnerable to economic retaliation, they can easily succumb to fear and cynicism during times of heated debate and name-calling."

Progress made in search for genetic cause of respiratory distress syndrome

Researchers in the College of Medicine have discovered that variations in a particular gene occur in greater frequency in premature infants suffering from respiratory distress syndrome (RDS) — a link that may lead to ways to save babies with potentially fatal breathing problems.

"It's possible that certain genetic alterations in the surfactant proteins are some of the factors that may predispose to, or protect from, RDS," said Joanna Floros, professor of cellular and mol-

ecular physiology and pediatrics in the College of Medicine.

All babies need surfactant for normal lung function. When there is not enough surfactant produced, babies face the risk of developing respiratory distress syndrome.

About 10 percent of all prematurely born infants, or 1 percent of all births, develop breathing problems or RDS. In the United States each year 40,000-50,000 infants develop RDS, and roughly

one-tenth of them will develop severe complications or die.

Surfactant is produced beginning in the final trimester of human gestation. This means the more premature a baby is, the less surfactant it has, and the higher the risk of RDS. However, the amount of surfactant produced during fetal development differs among babies and that may explain why some babies born prematurely develop RDS and others do not.

Another bowl competition on the schedule for Penn State

Forget the fleeting drama of the Citrus Bowl. A different type of high-pressure bout will take place at 10 a.m. Saturday, Feb. 28, at The Penn State Conference Center Hotel on the University Park campus: The regional competition of the National Ocean Sciences Bowl.

To get an idea of what this experience is like, close your eyes and go back to your high school days. Just imagine spending hours after school studying every possible aspect of the ocean — science, economics, history and culture. Then, at the daylong competition, your sweaty hand slams on the buzzer when the moderator asks a question like:

A tsunami is an example of a...

- (A) deep-water wave
- (B) shallow-water wave
- (C) forced wave
- (D) capillary wave

After a while, you would feel like a shallow-water wave (the correct answer) just hit you.

At February's regional tourney, seven Pennsylvania teams will answer questions even more difficult than the above example. The winning team will enter the final rounds held April 25-27 at Gallaudet University, Washington, D.C.

This regional competition is sponsored by Penn State's Applied Research Laboratory (ARL), a Navy-oriented research facility at the University for more than 50 years, and the Earth System Science Center, which studies links between Earth's physical processes and future global change. The National Ocean Sciences Bowl serves to increase knowledge of the oceans on the part of high school students, teachers and parents and to raise understanding of the national investment in ocean-related research. The round-robin format, modeled after the National Science Bowl, involves a timed competition of multiple-choice or short-answer questions drawn from the broad category of the oceans.

This event is free to the public.

Check the Web

You can find this complete issue of *Intercom* — and a link to the *Intercom* archives — on the Web at <http://www.psu.edu/ur/INTERCOM>.



Preparing the tools

Thompson Buchan and Shawn Zimmerman of the Royer Center for Learning and Academic Technologies are busy configuring laptop computers for Commonwealth College faculty starting Project Empower this semester. Over the past two years, 267 Commonwealth College faculty have participated in the project, incorporating techniques and technologies for active, cooperative and collaborative learning into their classes.

Photo: Greg Grieco

Spanier looks to reign in subscription costs

By ALAN JANESCH
Public Information

U.S. colleges and universities are paying unbelievable subscription rates for some academic journals, and it's time to say "We're not going to take it any more," President Graham B. Spanier told the University Faculty Senate on Feb. 3.

Some journals cost more than \$10,000 for a single annual subscription, Spanier said, and much of the money is going to a handful of publishing houses, some of them owned by commercial enterprises in Europe.

In one year alone, the 117 libraries belonging to the Association of Research Libraries — libraries of the nation's top research universities, including Penn State — paid a total of \$75 million to Reed Elsevier, an international publisher located in the Netherlands.

"We (in higher education) create most of the intellectual property in the country — it's extremely valuable — and what do we do as soon as we create it? We give it away," Spanier said.

The dilemma, Spanier said, is that faculty members publish their findings in journals which college and university libraries then have to subscribe to "at rates you wouldn't believe."

In 1997, Penn State spent \$4.3 million for journals at University Park, compared to \$3.7 million in 1992. Costs for some journals are increasing astronomically. Over the past three years, the annual subscription rate for *Brain Research* went up 47 percent, to \$14,919; *Neuroscience* went up 30 percent, to \$4,543; and *Gene* went up 57 percent to \$6,144.

While the journals provide a "credentialing" function for faculty members and an archival function for libraries, Spanier said, most papers are available on the Internet or through other sources months or years before they see publication in print.

Colleges and universities will have to change their own cultures to remedy the problem, Spanier said. His remarks preceded a report on the same issue from the Senate Committee on Libraries. While electronic publishing may help the situation, Bonnie MacEwan, collections officer for the University Libraries, said the costs of providing electronic resources are high and rising.

In other business, the Senate adopted an advisory/consultative report on computer-aided instruction and learning and heard informational reports on student financial aid.

The Senate's next meeting will be held at 1:30 p.m. March 3 in Room 112, Kern Building.

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Volume 27, Number 21

Penn State inventions yield first \$1 million year

BY BARBARA HALE
Public Information

University income from inventions developed through Penn State research increased 30 percent in 1997, topping the \$1 million mark in a single calendar year for the first time.

The revenue, from royalties, fees and patent reimbursements, is largely reinvested by the University in the research activities of faculty, graduate and undergraduate students. After recovery of unreimbursed patent expenses, 40 percent of royalty revenue is returned to faculty and student inventors.

Penn State began its internal patent and licensing management program in 1989 under Thomas Monahan, director of the Intellectual Property Office. Previously, Penn State contracted with an independent firm, Research Corporation Technologies, to manage inventions.

"It takes an average of eight years of development from disclosure of a university invention to the point of commercial product sales," Monahan said.

Since 1989, the Intellectual Property Office has filed more than 400 patent applications; has had 105 U.S. patents issued; and now receives approximately 180 invention disclosures per year from University inventors and their research teams, Monahan said.

Since 1991, 106 companies have licensed Penn State inventions and 24 of these, including six in Pennsylvania, have successfully brought new products to market. These companies have paid royalties to the University on a little more than \$14.1 million in new product sales, with approximately \$11 million in sales



Spreading sunshine

Monica Alam, HUB Art Gallery assistant, is working on mural panels at Art Alley in the Hetzel Union Building on the University Park campus. The panels, depicting Aboriginal designs, are being painted to brighten the HUB's appearance during construction of the new HUB/Robeson Complex. Ann Shields, head of the HUB and Kern Art Galleries and also a creator of one of the panels, urges students or student groups that want to help with this ongoing art project to contact her at 865-2563.

Photo: Greg Grieco

President Spanier gearing up for third Road Scholars tour

University faculty hired in the last two years are invited to join President Graham B. Spanier May 10-12 for his third annual Road Scholars outreach tour of Pennsylvania.

This year's tour has been expanded to three days and will involve a route through northwestern Pennsylvania, ranging from forests to beaches, grape vineyards to locomotives and oil wells to powder metal companies.

The annual tour involves two buses filled with faculty who will visit business, industry, government leaders, philanthropists and a number of Penn State campuses. This year, faculty will spend two nights staying in the apartments at Penn State Erie. All faculty expenses for travel, lodging and meals during the tour are paid for by the University.

The tour itinerary includes visits to Cook Forest, the Drake Oil Well State

See "Tour" on page 3

State gives \$600,000 to Erie's Knowledge Park

The State Department of Education Tuesday released \$600,000 to the Greater Erie Industrial Development Corporation for the construction of a Knowledge Park at Penn State Erie.

GEIDC, a private, non-profit economic development agency, will serve as the developer for the industrial park — which is expected to grow to 200 acres over the next 20 years. The park is being constructed between the southern boundary of the college and Interstate 90.

Penn State Erie recently entered into a lease agreement with GEIDC to

See "Erie" on page 16

See "Patents" on page 3

Inside



Outside of Penn State

There's plenty happening at other institutions that deserves a closer look. To keep the University community abreast of what's going on around it, the *Intercom* has revisited a special column. See page 2 to view "Elsewhere in Higher Education."



Motion sickness

A Penn State distinguished professor is studying nausea by having subjects sit still while allowing a drum painted with verticle stripes to rotate around them. For more, see page 15.

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Elsewhere in Higher Education

The following information was gleaned from the internal publications of the institutions mentioned.

■ Northwestern University's School of Law has received a \$10 million gift from the Pritzker family — the largest single gift to the school in its 139-year history.

Jay A. Pritzker, who has two degrees from Northwestern, is chairman of Hyatt Corp. and a partner in Pritzker & Pritzker. Several other members of the Pritzker family also have attended Northwestern.

The money will be used to enhance the collections and services of The Pritzker Law Library, as well as for other purposes that have been identified as part of the law school's strategic plan.

■ The University of Nebraska recently applied for a patent on a comprehensive program to economically produce special heart-healthy eggs, known as Omega eggs.

■ Computer scientists at Washington University in St. Louis have patented two major inventions that should make Internet applications like e-mail, the Web and electronic commerce 10 times faster. This 10-fold increase in speed promises to make routers — the hardware devices that route Internet messages — faster by making it easier to find the destination addresses for their messages.

■ In Arizona, a proposal to drastically overhaul its higher education system by allowing community colleges to grant four-year degrees has hit a roadblock.

Under the plan, proposed by a state legislator, community colleges can offer baccalaureate degrees not offered by the state's public universities. Supporters see it as a way to bring higher education to rural areas of the state. Opponents, like Arizona State University, the University of Arizona and several private institutions,

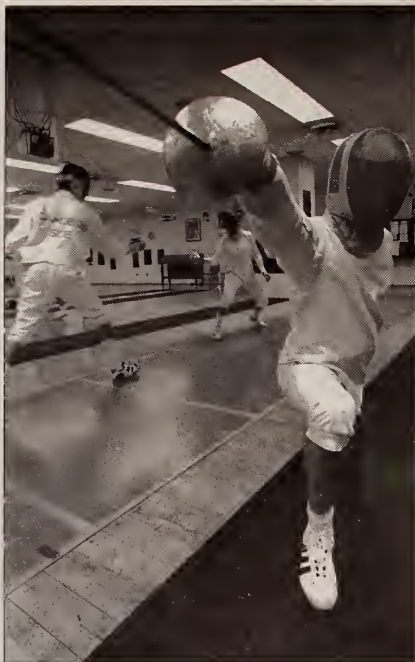
say it clouds the roles of the separate college systems. Many opponents are concerned that allowing community colleges to grant four-year degrees will open the door for these institutions to turn into four-year colleges. A legislative committee is continuing to study the plan, which is now on hold until Dec. 15.

■ Missouri Gov. Mel Carnahan has recommended a \$394,924,735 appropriation for the University of Missouri System in his 1998-99 budget. Included in this amount was an inflationary increase of \$14.6 million, a \$15 million "mission enhancement" portion and \$947,258 for maintenance and repair, in addition to the base appropriation. The nearly \$395 million recommendation boosts the university's recurring budget by 8.4 percent. The Missouri governor also recommended capital appropriations totaling more than \$50.6 million for projects on all four of the university's campuses.

■ Northwestern University has postponed any decision on the future of its dental school until March 2. On that date, board of trustees members will decide whether to accept a recommendation from the university administration to close the school.

■ A study by professors at the University of Virginia and the College of William and Mary analyzing nationwide data shows that although the number of women faculty has jumped over the past two decades, the biggest increase has been in non-tenure-track jobs. The study reveals that women faculty in those jobs earn less than men in similar positions, publish less frequently than men and are often employed in traditionally female fields. Between 1975 and 1993 there were substantial gains in women holding tenured faculty posts (a 67 percent increase), and in tenure-track slots (21.6 percent increase). However, the largest gain was in the non-tenure-track positions (142 percent jump). The study, which looked at America's two- and four-year colleges and universities, was published by Jay L. Chronister and Roger G. Baldwin, education professors at the two institutions.

■ At Harvard University, Sigourney Weaver and Kevin Kline were named the Hasty Pudding Woman and Man of the Year. The awards are presented annually by the Hasty Pudding Theatricals, the nation's oldest dramatic organization, to performers who have made a "lasting and impressive contribution to the world of entertainment."



Touché!

Penn State fencer Aaron Stuewe, a freshman in the College of the Liberal Arts, practices his lunge in the fencing room in White Building on the University Park campus.

Photo: Greg Grieco

Obituaries

Harry K. Beck, farm machinery operator, College of Agricultural Sciences, from June 15, 1970, until his retirement Oct. 1, 1989; died Jan. 22, at the age of 77.

Charles R. Behrer Sr., seed service and agronomy technician, College of Agricultural Sciences, from July 1, 1968, until his retirement Jan. 19, 1983; died Jan. 16. He was 77.

John J. Bukowski, janitorial worker, Penn State Beaver, from Oct. 14, 1973, until his retirement Aug. 12, 1984; died Jan. 25. He was 83.

Laura L. Burris, janitorial worker, Office of Physical Plant, from July 6, 1976, until her retirement Aug. 12, 1986; died Jan. 12. She was 77.

Promotions

Staff

Audrey Davidson, graduate enrollment assistant in Graduate School.

Brenda Hockenberry, graduate enrollment assistant in Graduate School.

Shawn Kuhlman, editorial assistant in Graduate School.

Sherri L. Letterman, coordinator, information systems in Division of Development and Alumni Relations.

Michelle L. Lucas, staff assistant III in Continuing and Distance Education.

Christopher Rose, applications systems analyst in Office of Vice President for Research.

Kimberly Martin, research support technician II in Office of Vice President

for Research.

Michelle Matis, staff assistant V in Graduate School.

Cheryl A. McCamley, staff assistant IV in Continuing and Distance Education.

Kathryn M. Meyers, financial assistant II in Continuing and Distance Education.

Beverly J. Morgan, staff assistant VI in Continuing and Distance Education.

Anna Marie Nachman, staff assistant

V in Office of Vice President for Research.

Barbara A. Neving, staff assistant V in Continuing and Distance Education.

Marce L. Pancio, assistant director, residence life in Student Affairs.

Kay Partenheimer, staff assistant VI in Continuing and Distance Education.

Heather Shufica, graduate enrollment assistant in Graduate School.

Althea Spotts, staff assistant IV in Graduate School.

Tour

continued from page 1

Park and Museum, General Electric Locomotive, Port Erie Plastics, Lake Erie Grape Research and Extension Center, Welch's Production Center, sunset at Presque Isle, a tour through Allegheny National Forest, Kane Hardwood, Windfall Products and Penn State DuBois.

Many of the companies to be visited during the tour have Penn State connections, ranging from alumni who serve as CEOs to cooperative agreements with the University.

President Spanier launched the annual tour to allow faculty to learn more about the Commonwealth and to facilitate their understanding of the people, geography, industry and needs of the state. The tour also serves as an opportunity to gain an overview of the unique role Penn State plays in communities throughout Pennsylvania.

With 24 campuses and offices in every county of the state, Penn State has a larger impact on the Commonwealth than does any other college or university, and much of that influence occurs outside the classroom.

Details about the tour will be mailed to recently hired faculty in the next several weeks. If you want more information now, contact (814) 863-8890.

Diversity commission seeks nominations

The Commission on Racial/Ethnic Diversity, which serves as an advisory body to the president on matters relating to racial and ethnic diversity, is seeking nominations and applications for positions that will begin July 1. Membership includes administrators, faculty, staff exempt, staff non-exempt, technical service employees and undergraduate and graduate students. Full members are appointed by the president to serve four-year terms or, in the case of students, until graduation. Associate members serve one-year renewable terms.

The commission, dedicated to enhancing diversity, actively seeks a broad base of nominations including self-nominations from all racial/ethnic backgrounds. More information and a nomination form may be obtained by calling the commission office at (814) 863-8493 or from the diversity Web page at <http://www lions.psu.edu/cored>.

Nomination forms must be returned to the commission in 330 Grange Building on the University Park campus no later than March 6.



Limited view

Workers from the Leonard S. Fiore Construction Co. of Altoone began work last week boarding up the windows in the Hetzel Union Building on the University Park campus as part of the second phase of the HUB/Robeson Complex project. The project, which began in September and is expected to cost \$25.8 million, will expand and renovate the current HUB and house a new Paul Robeson Cultural Center. The windows are being covered for safety reasons.

Photo: Greg Grieco

Patents

continued from page 1

occurring in the last 18 months.

"Once turned into new products, these Penn State inventions give competitive advantages to our industrial licensees and represent broader economic benefit to the public in the form of tax revenues and job creation," Monahan said.

Three inventions, all submitted in 1990-91, are the current royalty generating leaders: a hydrophone used in marine oil exploration; an asphalt testing device; and PennMulch, a turf management product. The hydrophone was invented by a research team led by Robert E. Newnham, retired Alcoa professor of solid state science. This is the first Penn State invention licensed by the Intellectual Property Office to generate royalties from product sales in excess of \$100,000 per year.

The asphalt testing device was invented by David A. Anderson, professor of civil engineering,

and colleagues. This device is currently manufactured in Pennsylvania and sold throughout the U.S. and overseas.

PennMulch is the brainchild of George W. Hamilton, senior lecturer in agronomy. The product, which is manufactured from recycled newspaper, won the 1996 Pennsylvania Governor's Award for Environmental Excellence. It is currently sold in 30 states and Canada.

Monahan noted that the increase in patent income is an indication of the value American industry places on Penn State's research enterprise, the largest university-based research effort in Pennsylvania. In 1997, in addition to the 106 companies that licensed Penn State patented research results, 379 companies invested in more than 800 Penn State research projects — about 20 percent more than the previous year. In 1997, Penn State was first in Pennsylvania in research expenditures; No. 2 in the U.S. in research support from industry, behind only the Massachusetts Institute of Technology; and 11th in the country in total research expenditures.

25-year Awards



RON BURRIS



DAVID DREESE



CHARLES HAMMOND



MARTHA LINDSAY



LEE STOUT



WILLIAM SHARPE

Observing 25 years of service at the University are, from left, Ron Burris, plumber-fitter, David Dreese, electrician/Utilities, and Charles Hammond, maintenance worker/Environmental Systems, all in the Office of Physical Plant; Martha Lindsay, staff assistant V; and Lee Stout, University archivist, both in the University Libraries; and William Sharpe, professor of forest hydrology in the College of Agricultural Sciences.

LECTURES

Schizophrenia topic of penultimate series talk

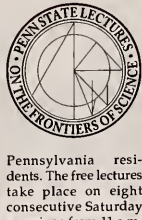
"Schizophrenia" is the title of the seventh lecture in the 1998 Penn State Lectures on the Frontiers of Science spring series which will be given on Feb. 21, by Anthony A. Grace, professor of neuroscience and psychiatry at the University of Pittsburgh.

Grace is known for his basic research into the pathophysiology of schizophrenia and for his development of neurobiological models for this disorder. During his talk, he will present recent research findings regarding the biological basis of this complex disorder and will discuss promising new therapeutic approaches for its treatment.

"The Human Brain and the Human Mind" is the topic of the lecture series, which is designed for the enjoyment and education of central



ANTHONY A. GRACE



Pennsylvania residents. The free lectures take place on eight consecutive Saturday mornings from 11 a.m. to about 12:30 p.m. in the Kern Graduate

Center auditorium on the University Park campus.

The remaining event in this series is the Feb. 28 lecture, "Medicines for the Mind," by Joan M. Lakoski, associate professor of pharmacology and anesthesia at Penn State.

For more information, call (814) 863-8453 or (814) 863-4682, or e-mail science@psu.edu.

Symposium marks opening of sociological archives

A one-day symposium celebrating the opening of the American Sociological Association archives in the Penn State Libraries will be held Feb. 28 at The Nittany Lion Inn on the University Park campus. The event also honors the work of sociologist Jessie Bernard, a Penn State faculty member from 1947 to 1964.

The Jessie Bernard/ASA Archives Symposium is free, but registration is required. The seminar will cover numerous topics, including a talk by Barbara Laslett, University of Minnesota, on the uses of biography in the sociology of science. Her discussion will be followed by talks by Margaret Matson and Leslie Wolfe, two scholars who worked with Bernard. Bernard has been called a central figure in the feminist revolution.

The second session will begin with a paper by Diana Shenk, head of Historical Collections and Data Archives at Penn State, on the role of archival collections in stimulating valuable scholarship. It will be followed by presentations by the co-chairs of the ASA Committee on Archives, Stephen Turner and Lynn Zucker. Turner from the University of South Florida will address the contributions of individ-

ual and organizational papers to the illumination of the development of a discipline. Zucker from UCLA will focus her remarks on the place of organizational and institutional analysis in the sociology of science. A reception will follow. The public events will run from 10 to 5:30 p.m.

The ASA Archives include documents and administrative materials stretching across the association's history, and will provide ready access to materials for research by current and future generations. The Penn State Libraries are also establishing archives of the papers of eminent sociologists, the foundation of which is the papers of Bernard.

After her retirement from Penn State, Bernard continued her highly productive career, publishing more than 60 articles and more than a dozen books, and working actively in the policy world of Washington. Her influence on feminist thinking extended well beyond the boundaries of sociology.

To register or for more information on the symposium, which is sponsored by the ASA and the sociology and women's studies programs, call Melody Lane at (814) 863-8490 or MQL6@PSU.EDU.

Examine elementary school restructuring Feb. 23

The College of Education's Robert G. Bernreuter Lecture in School Psychology will be given by Robert E. Slavin, co-director of the Center for Research on the Education of Students Placed at Risk at Johns Hopkins University. His lecture on "Restructuring Elementary Schools with 'Success for All'" is scheduled for 4 p.m. Monday, Feb. 23, in Kern Auditorium on the University Park campus.

Slavin is author of the soon-to-be-published *Show Me the Evidence: Proven and Promising Programs for America's Schools*. His program "Success for All" is currently in use in 740 schools in 40 states and has been adapted for use in Canada, Israel, Australia and Mexico. Initially concerned with improving instruction in reading, Slavin has now turned his research and development activities on other core subjects in the elementary schools.

"Success for All" incorporates state-of-the-art curriculum and instructional methods emphasizing phonics and meaning-focused instruction and cooperative learning. The program also focuses on the role a comprehensive family support program plays in building good relationships between school and home.

Among many other publications, Slavin is author or co-author of more than 180 articles and 15 books including *Proven and Promising Programs for America's Schools*. Earlier books include *Every Child, Every School: Success for All and Cooperative Learning: Theory, Research and Practice*.

"Waitangi" lecture set for Feb. 25

Keith Sorrenson, a professor at the University of Auckland, will discuss "Waitangi: New Zealand's Enduring Struggle (for Racial Redress and Reconciliation)" at 3:45 p.m. Wednesday, Feb. 25, in 124 Sparks Building on the University Park campus.

Sorrenson brings an exceptional blend of personal and professional qualities to his understanding of the dynamics that inform issues of race, ethnicity and history. A New Zealander trained in African history in Britain, he holds a chair in history at the University of Auckland and is currently visiting at Georgetown University. He is of predominantly Pakeha (European) ancestry, but with Maori blood as well. A widely published scholar, he has in recent years been distinguished by his membership upon the Waitangi Tribunal, the New Zealand body endeavoring to adjudicate Maori land claims.

The seminar, which is open to the public, is co-sponsored by the Australia-New Zealand Studies Center, the Multicultural Resource Center and the University Office of International Programs as part of their 24th Annual International Festival Feb. 21 through March 1. For more information, call Patricia Corbett at (814) 863-1603 or e-mail pac9@psu.edu.

Presentations to celebrate Women's History Month

Several presentations in February will usher in the start of Women's History Month at Penn State Harrisburg and Penn State Schuylkill.

Carol Nechamas, associate professor of public policy at Harrisburg, will provide a glimpse of "Women in Russia: The Transition from Communism" in the Schuylkill Campus Conference Center at noon Thursday, Feb. 26.

■ Penn State Harrisburg doctoral student Bernadette Muscat will focus on "Family Violence" during a 10 a.m. presentation in the Gallery Lounge at Penn State Harrisburg on Feb. 27.

"Clouds of Jupiter" scheduled at Behrend

What really goes on in the thick layers of colorful clouds that cover Jupiter, the Giant planet? Roger M. Knacke, director of the School of Science at Penn State Erie, will explore that question in "The Clouds of Jupiter" at 7:30 p.m. Thursday, Feb. 26. His presentation, in Room 101 of the Behrend Science Building, is the fourth in the college's 1997-98 Open House Nights in Astronomy Series. All events in the series are free to the public.

Knacke has written extensively in the fields of planetary science, interstellar matter and star and planet formation. Working with scientists at the Observatory of Paris and the NASA Jet Propulsion Laboratory in California, Knacke and his co-workers recently discovered ices of ammonia on Jupiter. This finding offers new insight into the chemistry and dynamics of Jupiter's atmosphere.

In his presentation, Knacke will describe Jupiter, its clouds and its famous "Great Red Spot," the huge, hurricane-like storm bigger than the Earth. He will report on results of the recent Galileo spacecraft, which plunged into Jupiter's atmosphere, and on his research with the European Space Agency satellite, the Infrared Space Observatory.

Weather permitting, astronomical observing sponsored by the Penn State Behrend Astronomy Club and the Society of Physics Students will follow the lecture. Observations will focus on Saturn, the Pleiades and the Orion Nebula.

For more information, call (814) 898-6105.

Gain insight into forecasting stock prices on March 2

Mahmoud A. Kaboudan, Penn State Lehigh Valley associate professor of management science and information systems, will speak at noon Monday, March 2, in room 111-5&6 at that campus about "Forecasting Stock Prices Using Genetic Programming."

The 40-minute presentation will be followed by a 20-minute question-and-answer period. The program is free to the public. For more information, call (610) 285-5000.

More Lectures

Israeli mathematician to be Marker Lecturer

Hillel Furstenberg, professor of mathematics at Hebrew University in Israel, will present the 1998 Russell Marker Lectures in the Mathematical Sciences Feb. 23-26 on the University Park campus.

The four-lecture series of free public lectures, titled "Group Actions and Products of Random Transformations," is sponsored by the Penn State Eberly College of Science. The schedule includes:

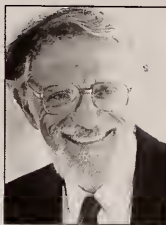
- "Quantitative and Qualitative Laws of Large Numbers," 8 p.m. Monday, Feb. 23, in 104 Thomas Building.

- "The Tendency to Proximity: Boundary Theory of Harmonic Functions," 4:30 p.m. Tuesday, Feb. 24, in 106 Wartik Laboratory.

- "Stiff Group Actions," 4:30 p.m. Wednesday, Feb. 25, in 106 Wartik Laboratory; and

- "General Structure Theorems for Group Actions," 4:30 p.m. Thursday, Feb. 26, in 106 Wartik Laboratory.

Furstenberg is well known for his discoveries of completely new interrelations between four separate branches of mathematics: number



HILLEL FURSTENBERG

theory, combinatorics, ergodic theory and topological dynamics. He also is known for pioneering the investigation of randomness phenomena in a noncommutative setting.

Furstenberg earned his doctoral degree from Princeton University in 1958 and has been a mathematics professor at the Hebrew University in Jerusalem since

1965. He was elected to the Israeli Academy of Sciences in 1974, to the U.S. National Academy of Sciences in 1989 and to the U.S. Academy of Arts and Sciences in 1995. Awards in recognition of his achievements include the Rothschild Prize, the Harvey Prize, the Israel Prize and an honorary doctorate from his undergraduate institution, Yeshiva University. Furstenberg was an invited speaker at the International Congress of Mathematicians in 1990.

The Marker Lectures were established in 1984 through a gift from Russell E. Marker, professor emeritus of chemistry, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door on the current era of hormone therapies, including the birth-control pill.

Hear a "Reply to the NEA" at March 5 presentation

James Cuno, Elizabeth and John Moors Cabot director of the Harvard University Art Museums, will present "The American Canvas: A Reply to the NEA" at the Penn State Forum from 11:30 a.m. to 1 p.m. Thursday, March 5, in The Nittany Lion Inn Ballroom on the University Park campus.

Cuno joined the Harvard Museums in 1991, having served as the director of the Hood Museum of Art at Dartmouth College. He earned his Ph.D. from Harvard in 1985. Cuno has lectured



JAMES CUNO

widely on contemporary American art and the role of art museums in contemporary American cultural policy.

The Penn State Forum is a luncheon speakers series sponsored by the Penn State Faculty Staff Club and the Penn State Bookstore. Tickets are \$10 and include lunch. Tables of 10 may be reserved in advance; tickets

will be sold at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m., followed by the presentation at noon. For more information, call (814) 865-7590.

Catalog author to give insight into "Glorious" exhibit

John Driscoll, director of Babcock Galleries in New York City since 1986 and a member of the Advisory Board of the Palmer Museum of Art, will speak at 7:30 p.m. Thursday, Feb. 26, in the Palmer Lipcon Auditorium in the Palmer Museum of Art on the University Park campus.

Driscoll's talk is presented in conjunction with the exhibition "All That Is Glorious Around Us: Paintings from the Hudson River School." Driscoll wrote the exhibition's catalog. He is a Penn State graduate, who received his M.A. in art history in 1974 and his Ph.D. degree in 1985.

"All That Is Glorious Around Us" was organized by the Westmoreland Museum of American Art. It will be on view at the Palmer Museum of Art through May 17, and will then travel to the Worcester Museum of Art and the National Academy of Design. For more information, call (814) 865-7672.

Lecture focuses on initiatives in welfare reform

Bonnie Braun, associate director for outreach at the University of Minnesota, will deliver the 13th annual McDowell Lecture at 10 a.m. Wednesday, March 4 at the Penn State Conference Center and Hotel at University Park. Braun will speak on "Land-Grant University Initiatives in Welfare Reform."

The lecture, which is part of the College of Agricultural Sciences' March Statewide In-Service Week, honors Milton McDowell, the first director of Penn State Cooperative Extension from 1912 to 1942.

Pace of women's advancement questioned

Virginia Valian, professor of psychology and linguistics at Hunter College and the CUNY Graduate Center, will discuss "Why So Slow? The Advancement of Women," at noon Friday, March 20, in the Hetzel Union Building Gallery Lounge on the University Park campus.

Valian will attempt to answer the question of why so few women occupy positions of power and prestige. In her talk, Valian will point to two interacting concepts — gender schemas and the accumulation of advantage. Valian will show through statistical data how men accumulate advantage more easily than women, and how gender schemas allow both men and women to undertake women and overrate men in professional settings. For more information on this talk, sponsored by the Women's Studies Program, the Department of Psychology and the College of the Liberal Arts, call Judith Kroll at (814) 863-0126.

Israeli journalist and critic to visit March 23

Michael Handzelzalts, literary editor and theatre critic for *Ha'aretz* newspaper in Israel, will speak on "The Other" on the Israel Stage" at the Comparative Literature Luncheon Series, 12:15-1:20 p.m. Monday, March 23, in 101 Kern Building on the University Park campus.

Handzelzalts became arts editor and theatre critic for the newspaper in 1981 and literary editor in 1993. An editor, broadcaster and producer, Handzelzalts, who holds degrees in comparative literature and theatre arts, has received awards for his theatre criticism, radio plays and broadcasts commemorating scientific and public events. For more information about his visit, call the Department of Comparative Literature at (814) 863-0589.

Beef Expo to be held March 26-29

The 1998 Pennsylvania Beef Expo will be held March 26-29 in the Agricultural Arena at University Park. The expo allows beef producers and other interested consumers to see the latest technology, marketing strategies and services within the beef industry. For information on expo activities, write to Pennsylvania Beef Expo, 651 Fox Hollow Road, State College, Pa. 16803, or call Glenn Eberly, (814) 865-5857.

Learn how to help students learn more

School administrators who want to learn how to help their students learn more and remember longer should plan to attend "Learning Styles and Multiple Intelligences: The Necessary Combination for Student-Centered Schools," on Thursday, April 23, at The Nittany Lion Inn on the University Park campus. The one-day workshop is sponsored by the Pennsylvania School Study Council (PSSC) as part of its Leading Edge Administrative Development Series (LEADS).

For more information or to request a brochure, call (800) PSU-TODAY (778-8632), or visit the Web at: www.cde.psu.edu/PSSC/LeadingEdge/

Conference on Peer Tutoring in Writing is Feb. 21

The Pennsylvania Conference on Peer Tutoring in Writing will be held Saturday, Feb. 21, in Boucke Building on University Park. The event will bring undergraduate peer tutors from colleges and universities across the Commonwealth together at Penn State for a daylong discussion of issues in peer tutoring of writing. Peer tutors from five colleges — Dickinson, Franklin and Marshall, Gettysburg, Lehigh Valley and Penn State Beaver — will lead roundtable discussions on the subject.

Special attention will be devoted to online tutoring, tutoring writers for whom English is a second language, and writing tutors as campus leaders in collaborative learning. Registration begins at 9 a.m. For more information, e-mail Elissa Zurbuchen at eez1@psu.edu, or phone (814) 865-2947.

This event is sponsored by the Center for Excellence in Writing and the University Learning Resource Center, with assistance from the Department of English and the Schreyer Institute for Innovation in Learning.

EMPLOYEE BENEFITS

A regular column provided by the Office of Human Resources

Reminders:

■ Flexible benefits

Flexible benefits requests for reimbursement for services incurred in 1997 must be submitted on or before March 31. Remember that reimbursements are based on the date the service occurred, not on the date of payment, so only services from Jan. 1, 1997 through Dec. 31, 1997 are eligible.

■ 1997 Major Medical Claims

March 31 also is the last date HealthAmerica and Corporate Health Administrators will accept major medical claims for Healthpass and Plan A for 1997 charges from University faculty and staff members or their dependents.

■ Employee Assistance Program

Everyone periodically encounters difficult life or work situations. The Employee Assistance Program (EAP) provides confidential counseling sessions for University faculty, staff and members of their household. Up to three visits per problem situation are paid for by Penn State. To receive a free consultation, contact the Penn State EAP at 1-800-858-2778, (employees in the College of Medicine at the Hershey Medical Center, call 1-800-543-5080).

■ SERS Retirement Account Statements

The annual statement of account that each State Employees' Retirement System (SERS) participant receives will be mailed to the participant's home address again this year. In order to receive your statement in a timely manner, your home address must be current. Please note that the only method of changing a home address is to complete a new W-4 form through the Payroll Department.

Leave of Absence

A sabbatical leave has been approved recently for the 1998-99 academic year for James L.W. West III, distinguished professor of English, to complete a scholarly edition of F. Scott Fitzgerald's *Trimalchio*, the original version of his classic novel *The Great Gatsby*.



Distinguished speaker

Former NBA basketball star Earvin "Magic" Johnson spoke on the University Park campus recently as part of the Distinguished Speaker Series. Future lectures in the series include Nobel Prize-winner Eli Wiesel March 31; author Ross H. Munro April 2; Major League Baseball home-run king Hank Aaron April 22; and writer/director John Singleton April 30.

Photo: Greg Grieco

International Festival set Feb. 21 to March 1

The 24th Annual International Festival, from Feb. 21 through March 1, is planned for the University Park campus.

As part of the event, Keith Sorrenson, a professor at the University of Auckland, will discuss "Waitangi: New Zealand's Enduring Struggle (for Racial Redress and Recognition)" at 3:45 p.m. Wednesday, Feb. 25, in 124 Sparks Building. For information on this talk, see the story on page 4, call Patricia Corbett at (814) 863-1603 or e-mail pac9@psu.edu.

In addition, Greer Maneval, a principal in Maneval and Associates and an alumna of Penn State, will speak about international aspects of architecture and landscape architecture at 3 p.m. Friday, Feb. 27, in the

Hetzl Union Building Gallery Lounge. Among Maneval's accomplishments is designing the U.S. Embassy in Algiers. For more information, call the International Students and Scholars office at (814) 865-6348.

On Sunday, March 1, food, crafts, cultural displays, music and children's activities will be featured in the HUB from 11:30 a.m. to 4:30 p.m. There also will be a play, titled "Courageous Grocer vs. the Supermarket," presented by the Turkish Student Association on March 1 and 2 at 8 p.m. in the HUB Assembly Room. The play is a comedic tale of a grocer and her struggle for survival against the new supermarket in Istanbul. All events are open to the public.

Two reach milestones

■ College of Education is 75

Penn State's College of Education will celebrate its 75th birthday this year, with a yearlong series of speakers, a reunion and published history.

The college was officially born on June 11, 1923, when Penn State's Board of Trustees approved the formation of the School of Education. Over three-quarters of a century, the college has taken the seeds of 1866's "Science for Teachers," the first Penn State course ever to be offered for educators, and transformed into a thriving college.

The college's Graduate Student Association has planned a speakers series, "Celebrating 75 Years of Excellence," in honor of the event. Upcoming speaker, Beverly Gordon, professor of education at The Ohio State University, will speak on equity in education at 6:30 p.m. Thursday, Feb. 26, in 102 Chambers Building on the University Park campus.

Celebration events are also planned for Penn State's Alumni Reunion weekend in June, and a special history of the college will be published later this year.

■ Behrend College turns 50

During the 1998-99 academic year, Penn State Erie, Behrend College, will celebrate the 50th anniversary of the creation of the Erie campus as part of Penn State. It will also mark the 25th anniversary of its status as a baccalaureate institution. Festivities to note the event are planned, beginning with a black-tie dinner on Saturday, Aug. 29, when Penn State-Behrend's highest honor — the Behrend Medallion — will be awarded to several community leaders.

More information on this landmark celebration will appear in later issues of the *Intercom*.

Courses

Health Matters offerings

To register for the following program offerings on the University Park campus, please see your *Health Matters* brochure or contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ Magnets & Well-Being WEL 136

Magnets have been used for centuries to relieve the many aches and pains throughout the body. Come to this session to learn more about magnets and how they can be used to help you. Meets Monday, Feb. 23, from noon to 1 p.m. in 301A Agricultural Administration Building. Cost: \$5

■ Yoga — It's not too late to begin! WEL 095

Section 1: Introduction to Yoga, Tuesdays through March 31, 11 a.m. to noon, Paul Robeson Cultural Center;

Section 2: On-going series, meets Tuesdays through March 31, noon to 1 p.m., Paul Robeson Cultural Center; cost: \$35 per session. HealthAmerica HMO reimbursement for each level.

■ Students in Distress WEL 122

Describes the important role you can play in identifying and referring students experiencing emotional distress or academic difficulties due to psychological or behavioral problems. Meets Friday, Feb. 27, from 8:30-11:30 a.m. in 319 Rider I Building. No cost.

Faculty/Staff Alerts

'Thon events

Past participants in the Dance Marathon are invited back to University Park for Dance Marathon Alumni Weekend, Feb. 20-22. The event is open to all alumni who have participated in the marathon — as dancers, committee members or in other roles. The programs also are open to members of the Parents and Families Society and parents of this year's dancers as part of Dance Marathon Parents Weekend. Events on Saturday, Feb. 21, will include:

- A continental breakfast in the HUB Ballroom.

- Learning this year's line dance and joining the marathon dancers on the floor.

- A "Thon Again Social" from 6-10 p.m. at The Nittany Lion Inn Ballroom.

Information and registration are available from the Alumni Association at (814) 863-9424 or by e-mail at alumni-reunions@psu.edu. The Alumni Association can be found on the Web at <http://www.alumni.psu.edu/>. For information about the Dance Marathon, see <http://athens.cac.psu.edu/thon/>.

The Penn State IFC/Panhellenic Dance Marathon, the largest student-run philanthropy in the nation, benefits the Four Diamonds Fund. The 48-hour marathon raised more than \$1.5 million last year for the fund, which helps children with cancer and their families.

Program for children

The College of Health and Human Development will sponsor a free children's basic movement and games program for ages 5 through 8. The program will be held every Tuesday from March 17 to April 14. Registration is at 3:35 p.m. Tuesday, March 17, in Room 126 White Building on the University Park campus.

For more information, call (814) 863-3451.

Calling all runners

The 20th annual Chocolate Chase, sponsored by students and the Office of Student Affairs in the College of Medicine, will be held at noon Saturday, April 4, in Hershey. The Chocolate Chase is a 5-mile race beginning and ending at The Milton S. Hershey Medical Center and winding through scenic, surrounding countryside. A one-mile Fun Run will be held afterward.

Proceeds from the race will benefit a scholarship fund for medical students at the College of Medicine. Since the race began in 1978, it has raised approximately \$95,000.

To register, call (717) 531-2000, enter mailbox number 3300 and leave a message with your name and address. The registration deadline is March 21. The first 600 entrants will receive a T-shirt in exchange for a \$12 entry fee. Runners may also register at the event for \$15, but are not guaranteed a T-shirt.

Trauma support

The College of Medicine will offer a Basic Trauma Life Support course Friday, May 1 through Sunday, May 3. Designed to teach an efficient, systematic approach to the evaluation and treatment of the trauma patient, the course is endorsed by the Pennsylvania Chapter, American College of Emergency Physicians. This course is appropriate



Digging his work

Dave Dreese of the Office of Physical Plant drills through the side of a manhole to install an electric ductbank, which provides access to underground utilities, across from the outdoor swimming pool on Bigler Road at University Park.

Photo: Greg Grieco

ate for medical personnel at both the ALS and BLS levels. A written examination and course evaluation follow the three-day continuing education series.

Upon successful completion of the course, participants receive a certificate from the Pennsylvania Chapter of the American College of Emergency Physicians. The fee for the course is \$110, which includes state and national fees, textbooks and all course materials. Class size is limited, so register early. Participants must preregister by April 17. For more information, call (717) 531-6483.

Holiday announcements

The University will observe the Memorial Day holiday on Monday, May 25. There will be no classes that day.

Independence Day will be observed on Saturday, July 4. Friday, July 3 will not be a University holiday, however, classes will not be held July 3.

University policies provide that if a University holiday falls on an employee's regularly scheduled day off, the employee receives another day off with pay to be used at another time. So employees who normally do not work Saturdays will receive a compensatory day for the Independence Day holiday.

Questions about the above holiday schedule information should be directed to appropriate college or department human resources representatives, or business officers at facilities away from University Park.

All you wanted to know and more

The Center for Academic Computing is offering a special series of advanced workshops for Penn State faculty and staff only on the Microsoft Office 97 Suite. If you use Word, Excel, Access or PowerPoint then you'll want to check out these workshops. Seminars, which start this month and run through May, cover topics such as enhancing presentations with PowerPoint, working with large documents, building on the basics of Microsoft Access and advanced charts and formatting in Excel.

All workshops are three-hour, hands-on sessions and will be held in the Penn State Conference Center Hotel at University Park. A \$25 fee is charged. Participants will receive a Quick Reference Card of tips and tricks.

For more information on these courses or to register, please go to the Web at <http://cac.psu.edu/training/MSO>.

Relay for Life

The 1998 "Relay for Life," a 24-hour annual walk/run which raises money to help fight cancer, will be held June 6-7 at Rogers Stadium in Bellefonte. Individuals are currently being sought to participate on any number of already-organized University teams. A \$10 registration fee is charged and participants will receive a T-shirt. Last year the event raised about \$78,000 to help fight cancer through research.

Anyone interested in participating in this event sponsored by the American Cancer Society should call the Relay Hotline at (814) 231-2585.

Discover the power of literacy

A Penn State video shares the joy of learning by explaining five strategies for achieving adult literacy within the family, workplace and community.

"Strategies for Adult Literacy and Learning" provides examples of several successful programs that have helped adults acquire the knowledge and skills they need to compete in a global economy and exercise the rights and responsibilities of citizenship. The program was developed as a result of the combined efforts of the Department of Education, Penn State's Institute for the Study of Adult Literacy, WPSX-TV and WOED in Pittsburgh.

For more information, contact Penn State Media Sales at (800) 770-2111.

NASA fellowship

Seniors and graduate students can apply for the NASA Space Grant Fellowship, a supplemental stipend of \$5,000 each year for two years. A total of \$100,000 will be awarded for the 1998-99 academic year. Ten new awards and 10 renewals for a second year will be made. The fellowships will be awarded to outstanding students in fields of study that do, or can, promote the understanding, assessment and use of space. Fields of study in most departments and colleges are eligible.

Eight awards will be made among the colleges of Agricultural Sciences, Earth & Mineral Sciences, Engineering and Science.

The deadline for application is Feb. 27. Information and applications are available on the Web at <http://www.psu.edu/spacegrant> or at the Pennsylvania Space Grant Consortium office in 101 S. Frear, University Park; phone (814) 863-7688.

ARTS & ENTERTAINMENT

AT PENN STATE



Faces of America

Fran de Leon will perform the free, one-person play "Faces of America: A 'Generation X' Look at Multiculturalism" at 3 p.m. Saturday, Feb. 28, in Schwab Auditorium on the University Park campus. For information, call (814) 865-3776.

Photo: Melinda F. Kelley

"Three Sisters"

The University Resident Theatre Company continues its 1997-98 season with Anton Chekhov's "Three Sisters," directed by Cary Libkin, associate professor in the School of Theatre Arts. The play opens Feb. 20 at the Pavilion Theatre on the University Park campus.

A 20th-century theatrical masterpiece, "Three Sisters" finds its title characters longing for the allure of Moscow, but incapable of leaving the provincial town that suffocates their spirits.

"Three Sisters" runs through Feb. 28. Performances begin at 8 p.m. with a matinee performance at 2 p.m. Saturday, Feb. 28. For ticket information, call the Arts Ticket Center at (814) 863-0255.

Registrations being taken

The Hetzel Union Center for the Arts and Crafts on the University Park campus is now taking registration for its second session of classes, which include tile making, wheel-thrown pottery, bookmaking, art appreciation, handbuilding, Indian dance, painting, weaving, slide photography and papermaking. Classes begin the week of March 16. Stop by 312 in the Hetzel Union Building or call (814) 863-0611 to register or for more information.

Trumpet graduate recital

Mitchell P. Gabel of "The President's Own" U.S. Marine Band will perform his trumpet graduate recital at 3 p.m. Saturday, Feb. 21, in the School of Music Recital Hall on the University Park campus. Anthony Leach, assistant professor of music, will accompany Gabel on organ and piano. Leach directs the Essence of Joy gospel choir, which also will accompany Gabel during the free concert.

African American spirituals celebration

The Fourth Annual Celebration of African American Spirituals will occur at 8 p.m. Saturday, Feb. 21, and at 3 p.m. Sunday, Feb. 22, in the School of Music Recital Hall on the University Park campus.

The theme for the celebration is "Traditions and Trends." Saturday's concert will include students and faculty of the School of Music presenting solos and ensemble selections. The gospel choir Essence of Joy will perform in Sunday's program. Anthony Leach, assistant professor of music and music education, will direct.

Tickets are \$2 for students; \$4 for non-students, and are available at the door.

Odyssey on WPSU

On "The Inscrutable Trickster," the Feb. 22 episode of Odyssey Through Literature, host Leonard Rubinstein and theatre arts Professor Richard Nichols discuss the challenges of translating and adapting a Japanese folk play for the American stage. "Hikoichi's Tale," by Kinoshita Junji, is the story of a scoundrel who steals a magic coat from an ogre's child and must then talk his way out of a series of tight spots. The play will be performed in the Pavilion Theatre on the University Park campus on April 22.

Pianist-educator at Harrisburg

Howard University's Raymond Jackson, one of the nation's most acclaimed music educators and performers, will appear at noon Monday, Feb. 23, in the Gallery Lounge at Penn State Harrisburg. The presentation is free to the public.

A performer with symphony orchestras and as a solo artist throughout the United States and Europe, Jackson has been a prize winner in numerous competitions.

Philharmonic

The Penn State Philharmonic, under the direction of Pu-Qi Jiang, associate professor of music, will perform at 8 p.m. Tuesday, Feb. 24, in Eisenhower Auditorium on the University Park campus.

The concert will feature the winners of the annual Penn State Philharmonic Concerto Competition: Gregg Goldner, marimba; Dana Louder, soprano; Brent Turney, trumpet; and Sally Wilson, mezzo-soprano.

Tickets are \$4.50 for adults and \$2.50 for students and are available at the door.

Bach's Lunch

The Hi-Lo's, under the direction of Bruce Trinkle, associate professor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, Feb. 26, in the Helen Eakin Eisenhower Chapel on the University Park campus. The free, 20-minute concert is part of a series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Hi-Lo's is a group of 14 singers from the Penn State Glee Club.

Audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel after the concert. Coffee and tea will be provided.

"Faces of America" The one-person play

"Faces of America: A 'Generation X' Look at Multiculturalism," will appear in Schwab Auditorium on the University Park campus on Saturday, Feb. 28.

The 3 p.m. show, starring Fran de Leon, addresses the questions of multiculturalism in today's society through the eyes of Generation X. The play presents eight characters all based on true stories researched through workshops and interviews with high school- and college-age populations. The eight characters depicted each represent a different cultural aspect of American society.

De Leon has worked with several noted theatre companies and as a solo performer has toured extensively throughout the United States with "Playfair," a specially designed interactive student program.

The play is directed by Colin Cox, artistic director and founder of Will & Co., a Los Angeles-based theatre company dedicated to arts in education and multicultural work in classic and contemporary pieces.

The show is free to the public. For more information, call the Paul Robeson Cultural Center at (814) 865-3776.

Photography exhibition

An exhibition of photographic works by Gary Catchen will be on display in the Hetzel Union Building Browning Gallery on the University Park campus from March 3 through April 5.

This exhibit presents photographs of secular and ecclesiastical buildings taken in German cities. The collection illustrates the broad variety of architecture that characterizes today's modern German cities.

Catchen, professor of nuclear engineering at Penn State, spent spring 1997 on sabbatical leave in Germany, and these photographs represent one part of his objective to learn more about Germany's culture, language and history.

South Indian dance

An afternoon of "Bharatanatyam: South Indian Classical Dance" will be presented at 1 p.m. Sunday, March 1, at the Kern Graduate Center Auditorium on the University Park campus. Admission to this class, taught by a Penn State student, is free.

For more information, contact the Hetzel Union Center for the Arts and Crafts at (814) 863-0611.

Open house

The Hetzel Union Center for the Arts and Crafts is holding an open house at 6 p.m. Wednesday, March 4, in room 312 in the Hetzel Union Building on the University Park campus.

Employees of the center will give demonstrations on wheel-thrown pottery and handbuilding. There also will be exhibits of work created at the center and instructors will be on hand to answer questions.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, February 20

- Victorian Brass, concert, noon, Kern lobby.
- Scott Schweigert, gallery talk on "16th- and 17th-Century Italian Paintings at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.
- Give a Damn Again, film, 6:30 and 8:45 p.m., 112 Kern, through Feb. 21.
- Allah Tantou, film, 7 and 9:15 p.m., 101 Chambers, through Feb. 21.
- Three Sisters, 8 p.m., Pavilion Theatre, through Feb. 28. For tickets, call (814) 865-0255.

Jaime Pomponio, flute, student recital, 8 p.m., Recital Hall.

Saturday, February 21

David Gliem, gallery talk on "American Prints between the Wars," 11:30 a.m., Christoffers Lobby, Palmer Museum.

Mitch Gabel, trumpet, graduate recital, 3 p.m., Recital Hall.

"Magic and Mischief at the Symphony," 3 p.m., Eisenhower auditorium. For tickets, call (814) 865-0255.

"Black History in Music, Word, Dance and Food," 6:30 p.m., Paul Robeson Cultural Center.

Metropolitan Opera National Council Winners, 8 p.m., Schwab auditorium. For tickets, call (814) 865-0255.

Celebration of African American Spirituals, 8 p.m., Recital Hall. For tickets, call (814) 865-0431.

The 24th International Festival, various locations, through March 1.

Sunday, February 22

Jennifer Streb, gallery talk on "The Hudson River School Landscape," 2 p.m., Christoffers Lobby, Palmer Museum.

Teri Stephen, percussion, student recital, 2 p.m., 122 Music II.

Celebration of African American Spirituals, 3 p.m., Recital Hall. For tickets, call (814) 865-0431.

Percussion Studio Recital, 8 p.m., Recital Hall.

Monday, February 23

Amanda M. Schnader, flute, student recital, 8 p.m., Recital Hall.

Tuesday, February 24

Harlem Globetrotters, 7:30 p.m., The Bryce Jordan Center.

Philharmonic Orchestra, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 865-0431.

Anton Machleder, guitar, guest recital, 8 p.m., Recital Hall.

Thursday, February 26

The Hi-Lo's, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

Friday, February 27

"K Jazz," film, noon, Kern lobby.

1998 Home Show, The Bryce Jordan Center, through March 1.

"Brass Off," film, 6, 8:15 and 10:15 p.m., 101 Chambers, through Feb. 28.

"Nostalgia," 7 and 9:15 p.m., 112 Kern, through Feb. 28.

River City Brass Band, 8 p.m., Eisenhower auditorium. For tickets, call (814) 865-0255.

Founder's Day Ball, 8 p.m., The Nittany Lion Inn Ballroom. For tickets, call (814) 863-3752.

Saturday, February 28

Jennifer Pawloski, gallery talk on "Religious Traditions in Non-Western Art," 11:30 a.m., Christoffers Lobby, Palmer Museum.



Coming soon

An exhibition of photographic works of Germany by Gary Catchen will be on display in the Hetzel Union Building Browsing Gallery on the University Park campus from March 3 through April 5.

"Faces of America," play, 3 p.m., Schwab auditorium. For tickets, call (814) 865-1779.

"A Touch of Africa," dinner, show and dance, 6 p.m., The Bryce Jordan Center. For tickets, call (814) 865-1779.

Shakespeare's "Julius Caesar," 8 p.m., Eisenhower auditorium. For tickets, call (814) 863-0255.

Sally Wilson and Philip Doucette, voice, graduate recital, 8 p.m., 122 Music II.

Sunday, March 1

Chamber Orchestra, 3 p.m., Recital Hall.

SEMINARS

Friday, February 20

Jennifer R. Welch on "Urban Poverty and the Production of Place," 4 p.m., 206 Walker.

John Christian on "Liberal Autonomy and the Social Constitution of Selves," 4 p.m., 151 Willard.

Saturday, February 21

Anthony A. Grace on "Schizophrenia," 11 a.m. to 12:30 p.m., Kern auditorium.

Iris Striedick on "Endangered Ways of Knowing: Multiplicity of Voice, Culture and Perspective," 11:30 a.m., Coaly's.

Monday, February 23

Michael Dear on "Seeing People Differently: Hierarchies of Acceptance of People with Disabilities," 12:15 p.m., Mineral Museum, Steidle.

Kenneth Guffy on "Challenges for Engineers in Building Construction for Agriculture and Related Industries," 12:20 p.m., 239 Agricultural Engineering.

Robert E. Slavin on "Restructuring Elementary Schools with 'Success for All,'" 4 p.m., Kern auditorium.

George Mautner on "Manet's Son," 5:30 p.m., Palmer Museum of Art.

Hillel Furstenberg on "Quantitative and Qualitative Laws of Large Numbers," 8 p.m., 104 Thomas.

Tuesday, February 24

Stephen W. Drew on "Biomechanical Engineering," 10 a.m., 140 Fenske Laboratory.

Sally Johnson on "Identification of Intracellular Signaling Pathways Controlling Myogenesis," 4 p.m., S-209 Henderson.

Neil Shubin on "Fossils, Genes and the Evolution of Limbs," 4 p.m., 8 Mueller Laboratory.

Hillel Furstenberg on "The Tendency to Proximally Boundary Theory of Harmonic Functions," 4:30 p.m., 106 Wartik Laboratory.

Wednesday, February 25

Dave Bryla on "Relationship Between Root Lissipian and Root Respiration: What Have We Learned?" 12:20 to 1:10 p.m., 106 Wartik Laboratory.

Shivaram Rajagopal on "The Usefulness of Accounting Disclosures to Assess the Commodity Price Risk of Oil and Gas Producers," 3:45 p.m., 333 Beam Business Administration.

Keith Sorrenson on "Waiting: New Zealand's Enduring Struggle (for Racial Redress and Reconciliation)," 3:45 p.m., 124 Sparks.

Robert Letta on "Integrating Gene Flow Across Genomes and Spatial Scales," 4 p.m., 8 Mueller Laboratory.

Douglas R. Seals on "The Emerging Role of Physical Activity in Preventive Gerontology," 4:15 to 5 p.m., 110 Henderson.

Hillel Furstenberg on "Stiff Group Actions," 4:30 p.m., 106 Wartik Laboratory.

Stephen Lekson on "Chaco: The First Great Southwestern Center," 8 p.m., 101 Kern.

Thursday, February 26

Panel Discussion: NASULGC Kellogg Commission on Higher Education, 11:30 a.m. to 1 p.m., 301A Agricultural Administration.

Philip W. Anderson on "High Noon for the Interlayer Mechanism for High Tc Superconductors — C-Axis Electrodynamics," 3:30 p.m., 101 Osmond Laboratory.

Kendra Lentz on "Ecology of Endangered Northeastern Bulrush, Scirpus Anistrochaetus," 3:45 p.m., 112 Buckhout Laboratory.

Mark P. Roy on "Vulnerability and Exposure: Social Support and Life Events as Moderators of Individual Differences in Cardiovascular Stress," 4:15 to 5:30 p.m., 123 Chambers.

Hillel Furstenberg on "General Structure Theorems for Group Actions," 4:30 p.m., 106 Wartik Laboratory.

John Driscoll on "All That Is Glorious Around Us," 7:30 p.m., Palmer Lipson Auditorium.

Friday, February 27

Greer Maneval on the international aspects of architecture and landscape architecture, 3 p.m., HUB Gallery Lounge.

Jodi Vender on "Helping Students Keep in Touch with their World: The Life and Times of Janet Planet," 4 p.m., 206 Walker.

John Stuhr, author; Bruce Wilshire and Vincent Colapietro, panelists; and Rebecca Weyland, moderator, on "Genealogical Pragmatism: Philosophy, Experience and Community," 4 p.m., 124 Sparks.

Saturday, February 28

Joen M. Lokoski on "Medicines for the Mind," 11 a.m. to 12:30 p.m., Kern auditorium.

CONFERENCES

Sunday, February 22

Game Bird Conference, The Nittany Lion Inn, through Feb. 24.

Tuesday, February 24

ARIT Center for Service Leadership, The Penn Slater.

NECEPT Technician Training Programs, The Penn Slater.

Thursday, February 26

MH Children's Committee Meeting, The Nittany Lion Inn.

Friday, February 27

Dental Seminar, The Nittany Lion Inn, through Feb. 28.

"The Outcomes Imperative: The Use and Impact of Data in Health Care," The Penn Slater, through Feb. 28.

Pennsylvania Taxidermist Association Inc., The Penn Slater.

Mureta Electronics, The Nittany Lion Inn.

Saturday, February 28

National Ocean Sciences Bowl, The Penn Slater.

The Jessie Bernard/ASA Archives Symposium, The Nittany Lion Inn.

EXHIBITS

Computer Building

"Faces of America" by Javier Escudero, through March 5.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

Kern Tell and Fiat Cases

Israeli jewelry and crafts by Tuvia Abramson, through March 29.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That Is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Ritternour Lobby

African masks by Kathleen Donovan, through March 5.

Wering Hall

Photographic works by Lisa Graves, through March 5.

Zoller Gallery

Undergraduate Juried Exhibition, through March 4.

Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Heinz Endowments create watershed programs

The Heinz Endowments of Pittsburgh have given \$1.78 million to enable Penn State to develop an interdisciplinary center and graduate-level curriculum in watershed stewardship.

The curriculum, perhaps the only one of its kind at an American university, aims to provide professional training for students to help local communities develop long-term solutions to water pollution and other natural resource management problems.

The new Center for Watershed Stewardship, a collaborative initiative of the Department of Landscape Architecture and School of Forest Resources, also will have a continuing education component. Over a five-year period, the center is expected to help a half-dozen Pennsylvania communities through outreach projects, graduate approximately 60 watershed stewardship students and deliver at least 11 continuing and distance education programs to practicing professionals. Ultimately, the center will involve students and faculty from engineering, biology, the social sciences and other disciplines.

"Thanks to the vision and generosity of the Heinz Endowments, Penn State will add an important new component to its graduate education and outreach efforts," said President Graham B. Spanier. "Millions of Pennsylvanians are likely to benefit in ways that will measurably improve the quality of life in our Commonwealth."

The Heinz grant will provide funds for set-up costs, recruitment of students and faculty, and initial programs for the center.

"Few realize that less than one-tenth of one percent of the world's waters are suitable for human use," said Neil Korostoff, associate professor of landscape architecture. "As population grows, management of water resources will be a key to our continued well being."

Korostoff and David DeWalle, professor of forest hydrology, wrote the proposal for the new center.

Watersheds are lands drained by a common surface water body. The form and vitality of a watershed is an expression of its climate, geology, soils, flora and fauna. Watersheds unite urban, rural and natural landscapes into functional units whose life is sustained by the interconnecting waters.

Korostoff and DeWalle term watershed stewardship the critical water management challenge for the next century. "Although government agencies and private industries are affecting policy, and grass-roots watershed organizations have sprung up by the hundreds across the nation, there remains an alarming lack of professionals trained to assist this effort," Korostoff said.

The new center will meet that need by educating graduates and professionals in watershed management through practical outreach projects involving intercollegiate cooperation.

"The program will bring together professionals and ideas from a wide array of disciplines to help Pennsylvania communities develop long-term solutions to non-point source water pollution and natural resource management problems, and to pro-

mote economic development of their watersheds," DeWalle said.

The new center will initiate two programs to fulfill its goals:

- The graduate option in watershed stewardship will give students the opportunity to work together in multi-disciplinary teams on yearlong watershed stewardship projects. Termed "Keystone Projects," they will be based in communities and watersheds across the Commonwealth, and afford students the chance to interact with local residents and their watersheds.

- The Continuing and Distance Education program in watershed stewardship will be directed to practicing professionals seeking additional watershed stewardship training in subjects such as environmental interactions, watershed legal/regulatory/policy issues, land-use planning and community design, geographic information systems, computer-based communications and organizational development.

Eliza Pennypacker, head of the Department of Landscape Architecture, and Larry Nielsen, director of the School of Forest Resources, were instrumental in developing the watershed stewardship concept and programs, and will serve on the executive committee for the center.

The Pittsburgh-based Heinz Endowments are one of the nation's largest philanthropic organizations. The endowments' mission is to support progress in economic opportunity, arts and culture, education, health, human services and the environment.

Tax tips for international students, faculty

IRS form 1042S (Foreign Person's U.S. Source Income Subject to Withholding) has been mailed to international students and faculty. Instructions for the form are available from the IRS, but University officials would like to remind those who receive the form of several things:

- Penn State reports four different types of income, each has a predesignated "Income Code" associated with it. Those codes are:

- 15 - Scholarship and Fellowship Grants (used to designate any U.S. source of income that is credited to the student account. It is important to remember for those individuals who receive some type of tuition waiver, such as teaching and research assistants, that the amount of the waiver is considered as part of this income).

- 16 - Compensation for Independent Personal Services (used primarily for those payments that the University makes to individuals who are neither students nor employees).

- 18 - Compensation for Teaching and/or Research (refers to money paid primarily to faculty who are exempt from federal income

tax based on some tax treaty. Taxable earnings are reported on the W-2 form).

- 19 - Compensation During Training (same as code 18 regarding the type of funds, however the individuals who are the primary recipients are those who are working toward attaining a degree, such as graduate assistants).

- A question that often arises is: "I have already filed my income tax, what do I have to do with this form?" According to the IRS:

- 1) If an individual already included the same information on their 1040NR form, there is no need to do anything. If at a later date the IRS would like to see a copy of the 1042S, they will request it. The individual should retain the document.

- 2) If the information that was included on the 1040NR does not agree with the 1042S, then an amended return needs to be filed.

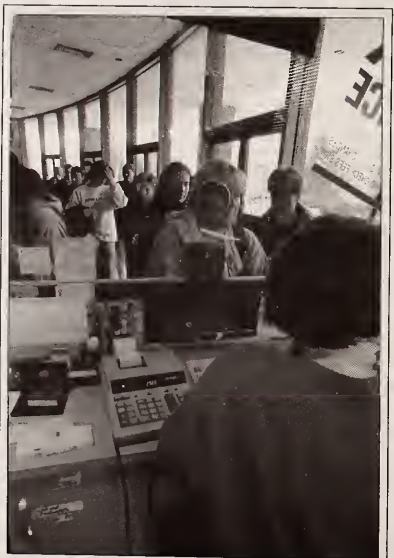
Anyone with additional questions about taxes, should contact the IRS at (800) 829-1040, or talk to a technical specialist regarding taxes as they relate to internationals at (202) 874-1460 or (202) 874-1470. These last two numbers are not toll free.

Nominations sought for Libraries award

Nominations are being sought for candidates for the 1998 University Libraries Award. The award, consisting of a citation, a cash stipend and a Nittany Lion statue, is given in recognition of the achievement or performance of anyone holding an academic or staff appointment in the University Libraries who meets one or more of the following criteria: professional contribution which has a significant influence on the operations of the Libraries;

significant professional contribution which earns the respect of the University community; significant contribution to the profession which reflects achievement in librarianship; or outstanding contribution to the Libraries as shown by continuing leadership and innovation.

Nomination forms are available at various library locations. For more information, contact Shirley Davis at (814) 865-0401.



Getting choice seats

Student Jamie Biner is at the head of the line at the Eisenhower Ticket Center on the University Park campus. Biner was after tickets to Storm, which performed recently at the campus. The center sells tickets for events at both Eisenhower Auditorium and The Bryce Jordan Center. For a listing of upcoming events, please see the University Park Calendar on page 9.

Photo: Greg Grieco

Web site links public to crew of space shuttle

If you ever wanted to "boldly go" where only astronauts ventured before, here's your chance. By logging in to a new Penn State Web site at <http://www.psu.edu/nasa/>, you can "talk" with the crew of the next shuttle mission, "tour" the interior of the shuttle's portable laboratory, called SpaceLab, and keep tabs on the crew's latest activities.

The site is an unofficial project of the crew of Shuttle Mission STS-90, which includes James Pawelczyk, Penn State assistant professor of physiology and kinesiology. While the site links with a variety of NASA and other space-related sites, it also provides opportunities available nowhere else. For example, the site has a Q&A section on the homepage where anyone can ask the crew a question and receive a reply.

The site has already started attracting awards including the Dr. Matrix Science Excellence Award; The Ultimate Links and Sites Award; the Safe for Kids Site of the Week; A Site to See Award; the TechnoMac Techno-award of Technology; and the Space Site Spaceviews of the Week.

The site was produced by the crew in their free time with the cooperation of Penn State's Center for Academic Computing and graduate assistant Kaspar Stromme. A master's degree candidate in the Department of Instructional Systems, Stromme constructed and maintains the site and is using part of it as the basis for his master's paper.

"Crew members wanted to share their experiences with space fans all over the world," Stromme



One of many

This is one of the official emblems of Mission STS-90. It and the others can be viewed on the Web by logging in to <http://www.psu.edu/nasa/> and clicking on the emblems link.

said. "Through the site, anyone can follow preparations for the mission which is currently scheduled to launch on April 16."

The site contains a weekly update; crew biography; details about the mission and the crew's training; photographs of the crew in training; downloadable images of emblems and mission patches; background on the crew's orbiter, the Space Shuttle Columbia; launch information and insights on the best ways to live the launch, as well as the Q&A.

Stromme is using Pawelczyk's own "learning" site (accessible via the crew site at <http://www.psu.edu/nasa/pawelczyk/>) as the basis of his master's paper. The site is designed primarily for students in a class that Pawelczyk will teach — live — from the space shuttle. The class is part of a course, PH510/PS10 510 Physiological Adaptations to Stress, under the direction of Peter Farrell, professor of physiology and interim director of the Noll Physiological Research Center.

Besides Pawelczyk, who is a payload specialist on the flight, the STS-90 crew includes: Rick Searfoss, lieutenant colonel in the U.S. Air Force, commander; Scott Altman, commander in the U.S. Navy, pilot; Rick Linnehan, veterinarian, mission specialist; Kay Hire, commander in the U.S. Naval Reserve, mission specialist; Dr. David Williams, physician and Canadian astronaut, mission specialist; Dr. Jay Buckley, physician and faculty member at the Dartmouth Medical School, payload specialist; Dr. Alexander Dunlap, veterinarian, physician and faculty member at the University of Texas, alternate payload specialist; and Dr. Chiaki Mukai, physician and Japanese astronaut, alternate payload specialist.

STS-90 is also known as the NeuroLab mission because it is dedicated to research on the nervous system and behavior. Its goal is to increase the understanding of the mechanisms responsible for neural and behavioral changes in space.

Pawelczyk is the first faculty member and the fourth Penn State graduate to fly aboard the shuttle.



On the defensive

Kelli Kemper, a female black belt with 10 years of teaching experience, shows the right stuff when it comes to self-defense. Kemper teaches a self-defense course for women students through The Center for Women Students. The course, which is a basic introduction to self-defense techniques, is open to currently enrolled women students. For more information, call (814) 863-2027.

Photo: Greg Grieco

DuBois search committee formed

A committee of 10 Penn State faculty, staff and a student representative has been selected to help identify a new campus executive officer to lead Penn State DuBois into the 21st century. DuBois campus is part of Penn State's Commonwealth College. The CEO post was left vacant when Joseph Strasser accepted the role of dean of the Commonwealth College.

John C. McWilliams, associate professor of history at Penn State DuBois, will chair the search committee. In addition, named from the campus to serve on the committee, are: Dorothy "Doadi" Davis, program coordinator for the associate degree in occupational therapy; Linda Ensek, DUS coordinator; John Farr, assistant professor of physics; Linda Gelnett, staff assistant in student affairs; Kathie

Kramer, vice president of the student government association; and John Vargas, associate professor of environmental sciences. Also serving are: Ann Deben, Royer Center director; Wayne Hager, dean of the School of Engineering Technology and Commonwealth Engineering; and James Callagher, CEO of Penn State Worthington Scranton.

The committee's first duty is to prepare a list of candidates for preliminary interviews late this month and in early March from a pool of applicants gathered in a nationwide search. Top candidates based on those interviews will be identified for final interviews at the DuBois campus and with top Penn State administrators at University Park. Strasser has set May as a target date for naming a permanent CEO.

Opportunities abound to learn about bugs

If you've ever wondered what bugs do after dark, or if you like monster movies featuring giant ants, the Department of Entomology in the College of Agricultural Sciences offers a variety of public programs throughout the academic year to pique your interest in insects. "Catch the Bug" is a year-round series of activities providing in-depth looks at insects and their fascinating — and often unusual — ways. Upcoming programs include:

- **Insect Monster Movies:** Afternoon/evening feature films; 1 to 6 p.m. and 7 to 10 p.m. Saturday, March 7, 101 Agricultural Sciences and Industries Building.

- **Six-Legged Stationery:** Make your own stationery with hand-made bug stamps inspired by Penn State museum specimens; 10 a.m. to noon Saturday, April 4, rooms 102 and 108 in Headhouse III.

- **Aquatic Adventure:** Explore the world

of stream insects; 10 a.m. to noon Saturday, May 9, Millbrook Marsh (near College Avenue and Mt. Nittany Expressway).

- **Wildlife Nightlife:** Listen to romantic insect songs and tales about nighttime insects, and learn the art of black-lighting; 7 to 10 p.m. Wednesday, June 17, Wind Ridge Farm and research site, Bald Eagle Valley near Unionville.

- **Guarding Your Garden:** Learn to tell bad bugs from good bugs and what to do about them; 10 a.m. to noon Saturday, July 18, Circleville Farm, off Circleville Road.

- **Butterfly Saturdays:** Join Butterfly Bob (Robert Snetitsky, professor emeritus of entomology) for a one-day adventure into the world of butterflies; July 25, Aug. 8, Aug. 22; meet at Headhouse III; cost is \$25 for adults, \$15 for children under age 15.

For more information, call (814) 865-1895.

■ FULBRIGHT AWARDS

University well-represented, with 13 awardees

Penn State continues to be among the top universities in the country for the number of faculty who receive Fulbright awards.

According to the J. William Fulbright Foundation, 13 Penn State faculty have received awards for this academic year, although a few more awards may be granted through the spring. The University of California has 16 Fulbright scholars going abroad, the University of Indiana has 15 and Penn State and the University of Wisconsin have 13 each. About 900 universities participate in the J. William Fulbright Foreign Scholarship program, which is administered by the U.S. Information Agency and locally, by the University Office of International Programs.

Faculty who have been or who are now on Fulbright awards are:

— **Christine Ahmed**, assistant professor of African and African American studies, will conduct research on pots, potting and potters in Zambian history with the National Heritage Conservation Commission in Livingstone, Zambia.

— **Richard Betts**, assistant professor of English at Penn State Delaware County, is lecturing on American literature and culture at Presov University in the Slovak Republic.

— **Robert Bresler**, professor of public policy at Penn State Harrisburg, is lecturing and conducting research on mid- and late 20th-century American politics and culture at the University of Singapore.

— **John Connor**, professor of pharmacology in the College of Medicine at Hershey, is in Ethiopia conducting research and lecturing on pharmacology and neuropharmacology at Addis Ababa University.

— **Michael De Rosa**, professor of chemistry at Penn State Delaware County, is lecturing and conducting research on organic chemistry and heterocyclic chemistry at the University of Ghana.

— **Dennis Davis**, professor of media studies was in Germany lecturing at several universities on communication sciences and media.

— **Rebecca Duval**, associate professor of science, technology and society, is conducting research on the policies of genetic information transfer in the U.S. and Germany at the University of Cottbus, Germany.

— **Ronald Filippelli**, associate dean for administration in the College of the Liberal Arts, lectured at a number of institutions in Japan as a fellow of the Japan International Education Administrators program.

Book Shelf

Michael Anesko, associate professor of English and American studies, is the author of *Letters, Fictions, Lives: Henry James and William Dean Howells* (Oxford University Press, 1997). It includes nearly all the extant correspondence between the two men, the most significant critical commentary the two men wrote about each other's works, and a detailed biographical chronology.

Through his extensive interpretive commentaries, Anesko shows how James and Howells constructed personal philosophies and novels out of their energetic agreements and disagreements. For the first time, says Philip Horne of University College in London, Anesko has traced the "evolving and often ambivalent connection"

between James and Howells — "as professional allies, as personal friends, as rival novelists, as critical disputants."

Anesko also has written *Fiction With the Market: Henry James and the Profession of Authorship* (Oxford University Press, 1986), and has contributed to *Henry James's New York Edition: The Construction of Authorship* (Stanford University Press, 1995).

Kenneth C. Gray, professor of work force education and development, and **Edwin Herr**, distinguished professor of education and associate dean, both in the College of Education, are co-authors of *Work Force Education: The Basics*. The book, published by Allyn and Bacon, examines the two major

Fourteen scholars studying at Penn State

Fourteen international scholars and professionals have received awards from The J. William Fulbright Foreign Scholarship Board and the U.S. Information Agency to lecture or conduct research at Penn State this academic year. They are among the more than 700 visiting academics, professionals and independent scholars who have received Fulbright awards to the United States.

Following, listed by discipline with their faculty host, are the names of this year's scholars who are or have been working with University Park faculty:

■ **Agriculture:** Paolo Barzaghi, an animal scientist at the University of Padua, Italy/John Shenk, professor of agronomy.

■ **American literature:** Oleh Lysheha, a writer in Kiev, Ukraine/James Brasfield, poet and lecturer in English

■ **Biological sciences:** Sophia Rhizopoulou, researcher in biology at the University of Athens, Greece/Daniel Cosgrove, professor of biology; Inci Togan, researcher in biology at the Middle East Technical University, Turkey/Masatoshi Nei, professor of biology;

■ **Economics:** Majia Badykova, head of the Department of Economic Integration in the Economic Institute, Turkmenistan/Mukund Kulkarni, associate professor of finance at Penn State Harrisburg; George Benzlava, a senior research scientist in the Department of Microeconomics at the Institute of Economics, Georgian Academy of Sci-

— **Lief Jensen**, associate professor of rural sociology, was conducting research on poverty and children in the labor force at the University of Bergen, Norway.

— **Kenneth Louie**, associate professor of economics at Penn State Erie, is lecturing on international trade theory and policy at the Foreign Studies and Foreign Trade University in Guangzhou, China.

— **Raafat Malek**, research associate in the Materials Research Laboratory, is at Helwan University in Cairo, Egypt, lecturing and conducting research on the chemistry of building materials.

— **Jonathan Phillips**, professor of chemical engineering,

ence/Jerry Olson, chair of marketing; Maria Manuela Campos, professor at Oporto University, Portugal/Ron Koot, associate dean for undergraduate programs in The Smear College; and Martin Hrehovcic, researcher at Comenius University, Bratislava, Slovak Republic/Jerry Olson, chair of marketing.

■ **Education:** Serguei Maximov, head of the Department of Educational Technologies, Belarus State University/James Ratcliff, professor and senior scientist at the Center for the Study of Higher Education.

■ **Engineering:** Abdullah Sirajuddin, assistant professor of civil engineering, King Abdulaziz University, Saudi Arabia/

and Francesco Marulo, associate professor of aeronautical engineering at the University of Naples, Italy/George Lesieutier, associate professor of aerospace engineering.

■ **History:** Liliana Micu, writer and radio producer, Societatea Romana de Radiofuziune, Romania/Michael Naydan, head of Slavic and East European languages.

■ **Physics and astronomy:** Janos Laszlo, associate professor of physics at the Technical University of Budapest, Hungary/Barbara Garrison, professor of chemistry; Erno Vandeweer, research fellow in the Department of Solid State Physics and Magnetism at Catholic University of Leuven, Belgium/Nicholas Winograd, professor of chemistry.

neering, is at the Ben Grunin University in Israel conducting research on catalytic synergism.

— **Randolph Thomas**, professor of civil engineering with the Pennsylvania Transportation Institute, is conducting research on the development of a multilevel-factor model of construction labor productivity at the University of Zagreb, Croatia.

The Fulbright program is a merit-based competition that fosters open inquiry and shared responsibilities with other nations. For Fulbright information and applications, contact Robert Ott, Fulbright adviser and outreach officer in International Programs, at (814) 865-6192 or e-mail to: rwo1@psu.edu.

trends and issues in work force education.

Boston publisher Baker's Plays has released a new collection of plays by Joanne Leonard, director of the School of Theatre Arts' children's drama program MetaStages. The collection, *All The World's A Stage*, consists of seven shorter works geared toward performance by and for younger audiences.

The stories retell multicultural folktales using basic language phrases and axioms particular to the culture featured in each play. Each of the seven plays premiered on Penn State's University Park campus in productions by the MetaStages program between August 1994 and August 1996.

Partings

Longtime employee saw much change over 41-year career

Maybelle A. Furchner has retired from Penn State Lehigh Valley after 41 years of service to the University.

Furchner's career has spanned four locations, five campus administrators/executive officers, six college presidents, five campus advisory boards, four campus name changes and a merger.

Thirty-eight years were spent at the Lehigh Valley (formerly Allentown) campus, and she also worked at the Ogonitz campus (now Abington College) for three years.

Furchner, who started in September 1956 at the "Allentown Center" on Ridge Avenue, was hired as a part-time librarian. Three years later she moved into the office as secretary to the director of the center.



MAYBELLE A. FURCHNER

University Park, because, she states simply, "Penn State is my life."

Her activities on behalf of Penn State include coordinating the United Way campaign and acting as a campus representative to the local chambers of commerce.

Furchner's love of Penn State extends three generations — her son David and daughter-in-law Bonnie met at and graduated from Penn State, and currently her two grandsons, Brett and Wesley attend at University Park.

Furchner's future plans include volunteering at the Lehigh Valley campus and attending football and lacrosse games at University Park.

Professor emeritus of chemistry was pioneer in enzyme reaction research

Gordon A. Hamilton, professor emeritus of chemistry, has retired from the Eberly College of Science after 31 years of service. After receiving a bachelor of arts degree in chemistry, with honors, from Queen's University in Canada in 1956, then master's and doctoral degrees in organic chemistry from Harvard University in 1957 and 1959, he joined the Penn State faculty in 1966 as an associate professor of chemistry, becoming full professor in 1972.

Hamilton initially concentrated his biomedical research on determining the mechanisms of various enzyme oxidation-reduction reactions (redox reactions), especially those that include oxygen as a reactant. Hamilton was one of the first investigators to apply a thorough knowledge of mechanistic organic chemistry to



GORDON A. HAMILTON

enhance the understanding of enzymatic redox reactions. Hamilton plans to continue teaching and participating in his favorite activities, including golf, travel and genealogy.

Among his many awards, Hamilton currently is a Fellow of the American Association for the Advancement of Science and has held a Sloan Foundation Fellowship and a National Institutes of Health Special Research Fellowship. He has authored or co-authored nearly 100 research publications and has served on several college and University committees, including the University Faculty Senate and the faculty/staff achievement awards committee.

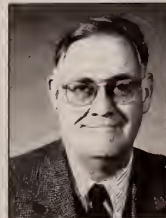
Professor of biology earns emeritus status after 31 years of service

Carl S. Keener, professor emeritus of biology and curator of the vascular plants herbarium, has retired from the University after 31 years of service.

He joined the Penn State faculty as an assistant professor of botany in 1966, becoming an associate professor of biology in 1971, then a professor of biology in 1991.

Keener's work has been devoted to the classification and study of the vascular plant family, *Ranunculaceae* (Crowfoot family), with a primary focus on the flora of the southeastern United States. His other research interests include the study of the flora of Pennsylvania, with special emphasis on seed plants and native poisonous plants, and the study of the flora and geographic relationships of native plants in the mid-Appalachian shale barrens.

Keener chaired or served on numerous committees dealing with curriculum and undergraduate education.



CARL S. KEENER

Keener also served the Department of Biology as undergraduate officer and as Commonwealth Educational System coordinator. Keener belongs to several professional societies. He has authored or co-authored more than 43 papers and 17 book reviews in his research area and nine publications and 52 book reviews about religion and philosophy. He received the Henry Allan Gleason Award of the New York Botanical Garden in 1984 for an outstanding publication in the field of plant taxonomy, plant ecology or plant geography.

Keener received a bachelor of arts degree in biology at the Eastern Mennonite College in 1957, a master of science degree in botany from the University of Pennsylvania in 1960, and a doctoral degree in botany and genetics from North Carolina State University at Raleigh in 1966.

Several announce their retirements

Richard L. Auman, senior electronics technician of computer systems in Office of Physical Plant, from Jan. 21, 1974, to Jan. 3.

Joseph M. Boyle, assistant professor of accounting and MIS at Penn State Hazleton, from June 16, 1967, to Jan. 1.

Filomena J. Cramer, staff assistant VIII in College of Medicine, The Hershey Medical Center, from April 24, 1972, to Dec. 20, 1997.

Nancy L. Davies, janitorial worker in Office of Physical Plant, from March 4, 1974, to Jan. 1.

Thomas S. Douthitt, systems planning specialist III in Office of Budget and Resource Analysis, from Sept. 20, 1976, to Jan. 1.

Clinton Fidler, janitorial worker at Penn State Schuylkill, from Sept. 1, 1977, to Oct. 1, 1997.

Mary Jane Gawryla, administrative assistant II in College of Engineering, from March 22, 1977, to Jan. 17.

Richard L. Henry, assistant professor of kinesiology at Penn State McKeesport, from Sept. 1, 1975, to Jan. 1.

James L. Hodgson, associate professor of physiology/kinesiology in College of Health and Human Development, from Sept. 1, 1970, to Jan. 1.

Shirley Marchalonis, professor of English and women's studies at Penn State Berks, from Sept. 1, 1974, to Jan. 1.

Kathy L. Poorman, staff assistant VI in College of Agricultural Sciences, from June 23, 1953, to Jan. 1.

Janet J. Principe, staff assistant V in College of Medicine, The Hershey Medical Center, from Aug. 16, 1982, to Dec. 20, 1997.

William A. Reagan Jr., senior extension agent in College of Agricultural Sciences, from July 16, 1956, to Jan. 1.

Loretta Reigle, administrative assistant I at Penn State Harrisburg, from April 1, 1983, to Jan. 1.

Robert J. Snetsinger, professor of entomology in College of Agricultural Sciences, from Aug. 8, 1960, to Jan. 1.

Joseph A. Waskas, mechanic A of heating and ventilating at Penn State Schuylkill, from Aug. 31, 1981, to Jan. 1.

William Waters, associate professor of agricultural economics in College of Agricultural Sciences, from Nov. 1, 1960, to Jan. 1.

Sarah E. Wian, operator B satellite copy center in Business Services, from Sept. 15, 1976, to Jan. 3.

Janet V. Wilson, staff assistant VI in Office of Research and Graduate Studies, from Sept. 3, 1975, to Jan. 1.

Penn Staters

Jean-Marc Bollag, professor of soil microbiology, lectured at the Institut de Microbiologie at the University of Neuchâtel and at the Swiss Federal Institute for Environmental Science and Technology in Zurich, Switzerland. He also participated in the International Symposium of Environmental Biogeochemistry in Monopoli, Italy. Bollag also was keynote speaker at an annual meeting of the Japanese Society of Humic Substances in Kobe, Japan, and lectured at the National Institute for Resources and Environment in Tsukuba, Japan.

Stanley Curtis, professor of animal sciences in the College of Agricultural Sciences, chaired a national task force for the Council of Agricultural Science and Technology and helped develop the report "The Well-Being of Agricultural Animals."

Marvin Hall, associate professor of forage management, was named to the board of directors of the American Forage and Grasslands Council and the Certified Alfalfa Seed Council.

Larry Hutchinson, professor of veterinary science, was elected vice president of the American Association of Bovine Practitioners, a 5,000-member organization of veterinarians who work with dairy and beef cattle.

Saundra D. Johnson, director, Minority Engineering Program in the College of Engineering, has been selected as the National Society of Black Engineers' (NSBE) First Annual Golden Torch Award winner in the category of Minority Education Program (MEP) Director of the Year. Johnson was chosen for her significant contributions to the advancement of underrepresented groups throughout the engineering profession.

The Golden Torch Awards are the most significant awards celebrating African American achievements in engineering, science and technology.

Patricia Bartholow Koch, associate professor of biobehavioral health, was named a Fellow of the Society for the Scientific Study of Sexuality, an international, interdisciplinary scientific organization dedicated to advancing knowledge of and research about sexual development, health and education. Koch has received international recognition for her research, writing and expertise with educational methodologies in the field of sexuality. Recently she served as a U.S. delegate to the World Congress of Sexology held in Spain and was the keynote speaker for the Asian Federation of Sexology's Conference in Taipei, Taiwan and World AIDS Day in Osaka, Japan.

Peter Landschoot, associate professor of turfgrass science, received the Distinguished Service Award, presented for outstanding leadership and contributions to Pennsylvania's turfgrass industry, from the Pennsylvania Turfgrass Council.

Philip Mosley, associate professor of English, communications and comparative literature at Penn State Worthington Scranton, was an invited resident at the European College of Literary Translators in Senefelt, Belgium, during December and January. Mosley worked on translation of a nature essay by 1911 Nobel Prize-winning author Maurice Maeterlinck.

Robert E. Newnham, retired Alcoa professor of solid state science at the Materials Research Laboratory, has received the Buessem Award of the Center for Dielectric Studies. Founded in 1983 by the National Science Foundation, the Center for Dielectric Studies at Penn State is an industry/university cooperative research center whose members are electronic component manufacturers specializing in both fundamental and engineering aspects of capacitors, dielectrics, integrated passive components and packaging materials.

Larry Nielsen, director of the School of Forest Resources in the College of Agricultural Sciences, has been appointed to the U.S. Department of Agriculture's Committee of Scientists. Nielsen is one of 13 scientists named to the panel, which will evaluate land management plans being used by the U.S. Forest Service and make recommendations for new forest planning regulations.

Jorge Pullin, associate professor of physics, recently presented lectures at two international conferences. He gave the plenary lecture, "Colliding Black Holes: Analytic Insights," and an invited talk, "The Conflict of Diffeomorphism Invariance and the Field Theoretic Nature of Quantum Gravity," at the 15th International Conference in General Relativity and Gravitation, held at the Inter-University Center for Astronomy and Astrophysics in Poona, India. At the workshop, "Quantum Gravity in the Southern Cone II," held in Bariloche, Argentina, he presented an invited plenary talk, "Canonical Quantum Gravity: A Progress Report."

Nitin Samarth, assistant professor of physics, gave an invited talk, "Spin Transport and Coherence in Magnetic Heterostructures," at the 12th International Conference on the Electronic Properties of Two Dimensional Systems in Tokyo. Samarth also recently delivered an invited talk, "Spin Transport and Coherence in a Magnetic Two-dimensional Electron Gas," at the eighth International Conference on Modulated Semiconductor Structures in Santa Barbara, Calif., and a plenary lecture, "Recent Developments in Nanomagnetism," at the NATO Forum on Nanoscale Science and Technology in Toledo, Spain.

K. Warner Schaie, Evan Pugh professor of human development and psychology and director of the Gerontology Center, was recently elected to membership in the "Akademie gemeinnütziger Wissenschaften zu Erfurt" (Erfurt Academy of Science). The Erfurt Akademie was founded in 1754 for the inter-disciplinary exchange of scientific knowledge and opinion in the public interest.

Schaie was elected in recognition of major contributions to the study of adult cognitive development and research methodology in developmental psychology.

Research done at the Materials Research Laboratory has been selected by *Industryweek* as one of the top 25 Technologies of the Year. The research on single-crystal piezoelectric actuators, led by Thomas Shroud, professor of materials, and Seung-Eek Park, research associate, resulted in the discovery of a piezoelectric crystal that displays an effect 10 times greater than that of the current family of piezoelectrics. Piezoelectric crystals are unique in their ability to swell or shrink when zapped with electricity and they can give off a jolt of electricity when compressed or pulled apart. The discovery could improve everything from ultrasound resolution to the range of sonar listening devices.

Michael Silsbee, senior research associate and associate professor of materials, Materials Research Laboratory, has been elected to serve as chair-elect of the Cements Division of the American Ceramic Society for 1998-99.

Richard D. Taylor, the James R. and Barbara R. Palmer chair professor in telecommunications studies, was elected to serve a two-year term on the Board of Trustees of the Pacific Telecommunications Council (PTC). The PTC, an international non-profit organization with headquarters in Honolulu, is the Asia-Pacific region's principal forum for the providers and users of telecommunications products and services, and telecommunications regulators and technologists. Taylor also serves as vice chair of the PTC's research committee, helping to coordinate the work of some 40 senior researchers in the region.

Kenji Uchino, professor of electrical and computer engineering, Materials Research Laboratory, has been elected to the Administrative Committee for Ultrasonics, Ferroelectrics and Frequency Control Society at IEEE. He will serve from January 1998 through December 2000. Uchino will serve as program chair for the 6th International Conference on New Actuators, to be held in June 1998 in Bremen, Germany.

James Van Horn, professor of rural sociology, received a plaque of appreciation from the National Council on Family Relations for his work with the Certified Family Life Educator program.

Several members of the cooperative extension staff received communications awards from the National Association of County Agricultural Agents. National awards were given to: Dan McFarland, extension agent in York County; Philip Durst, extension agent in Montour County; and Mary Sue Shick, associate extension agent in Washington County, for publication. Sanford Smith, natural resources and youth specialist in the School of Forest Resources, received the Forest and Woodland Enhancement/Tree Farm Award.

Created by a team of Penn State faculty and consultants associated with the Department of Landscape Architecture, the multimedia CD-ROM "Pa. BLUPRINTS" (Best Land Use Principles & Results, Interactively Shown) has received an award and is now in its second printing. The Pennsylvania Planning Association honored BLUPRINTS with its Current Topic Award, recognizing the exemplary manner in which it will help communities plan their futures. BLUPRINTS contains a series of the best approaches to land use regulations supplemented by easy-to-understand illustrations, as well as pictures of actual examples from throughout Pennsylvania. It is designed to be used by private citizens and professionals alike, including solicitors, developers, engineers and those looking at economic impact issues.

The Bryce Jordan Center on the University Park campus has been honored by the Chamber of Business and Industry of Centre County with an "Outstanding Job Generator Award" for 1997. The center shares the honor with AccuWeather Inc. of State College.

Studying the psychology of motion sickness



Robert M. Stern, distinguished professor of psychology, uses his motion simulating machine to study motion sickness and nausea. His subject on this day was Anthony Gust, a senior pre-med student seen inside the machine.

Although subjects sit still, the vertical lines of the rotating drum give them the visual illusion of self-movement at the same time their other senses tell them they're not moving. This sensory mismatch is thought to cause motion sickness in susceptible people.



*Photos by
Greg Grieco*



Schuylkill research targets children and nutrition

For generations, the eating habits of preschoolers have concerned both parents and health professionals. Are youngsters' diets nutritionally sound? How do children choose which foods they'll eat and which ones they won't? What can be done to encourage healthy diets in preschoolers?

Those questions and many more confront Helen Hendy, associate professor of psychology at Penn State Schuylkill, and her team of under-

graduate students in their ongoing research of eating habits of preschoolers. Hendy's students are researching how children acquire new food acceptance in the preschool setting.

The study entails comparing teacher actions during preschool lunches and how the children accept new fruits and vegetables.

"The Penn State Schuylkill students are working with four teacher models," Hendy said. "They are: sim-

ple exposure, the 'try one bite' method, a dessert reward and 'modeling,' where the teacher tries a bite of the new food. Another option is where children are free to say no. Early evidence indicates that giving children a choice is just as effective as the dessert reward."

The next step in the research is to reveal why modeling did not work. Hendy sees myriad benefits from the research.

"We could apply the findings to

nutrition programs. One example would be children undergoing chemotherapy who fall victim to an aversion to food related to nausea. The research could help pinpoint why these youngsters will not eat certain foods and help them with their nutritional needs," she said.

"We're moving into intervention phases; into therapeutic efforts in the continuing research," Hendy said, emphasizing that the work is applied research aimed at helping others.

DANCE MARATHON '98



Photos: Greg Grieco



Members of the Puerto Rican Student Association (left) Magda Fernandez, a senior majoring in political science, and Maritza Chirivella, a senior majoring in microbiology, help to serve food at a fund-raising luncheon held to raise money for Dance Marathon. Above, student Matt Sakal representing S:PACE, a group made up of mostly architectural engineering students that acts as a liaison with the construction industry, waits to submit his organization's poster that will hang in White Building during the annual 48-hour Dance Marathon on the University Park campus. The THON, which benefits families of children with cancer at The Hershey Medical Center, begins Friday.

Penn State Altoona computer program a first in state

By fall 1998, every one of Penn State Altoona's 450-plus residence hall rooms will come equipped with a computer, making it the first college or university location in Pennsylvania to adopt such a program.

Under the program, an IBM or IBM-compatible computer will be placed in each room. The computers will be equipped with e-mail accounts, Internet access, and academic software, and protected under a five-year warranty. They will be installed this summer and will be in place and running in every room when students arrive in August for the fall 1998 semester.

Allen Meadors, dean and CEO of Penn State Altoona, started the program in response to concerns about overburdened computer labs.

"The program had its genesis 18 months ago when several commuter students came to me about overcrowding in the computer labs," Meadors said. "They are on campus only a set amount of time and, because

of their jobs or home life, have only limited amounts of time when they can use campus computers."

Commuter students were concerned that the labs were almost always full with students living in residence halls, Meadors said. Students living on campus were generally in no hurry to get back to their residence hall rooms, commuter students told Meadors.

But the commuter students aren't the only ones potentially left out in the cold. With an estimated 70 percent of computer lab users living on or near campus, and with more than 3,700 students enrolled at Penn State Altoona, computer time for any student can be hard to come by.

The addition of one computer lab this year helped ease the problem. But Meadors realized that wasn't going to be enough to solve the dilemma. Without building new computer facilities, the only other solution would be to convert more existing classes into computer labs — an option Meadors felt was self-

defeating.

Putting the computers in the residence halls is only one of several information technology projects at Penn State Altoona. New servers and new software will help increase speed while shortening downtime for both computer systems and students. Funding for the residence hall project will come from student computer fees, Penn State Altoona, the University's Housing and Food Services and private sources.

Penn State is recognized nationwide as a leader in using and developing new information technology. Penn State faculty, staff and students send up to 1.7 million e-mail messages a day, making it one of the largest Internet users in the nation. Penn State is also spearheading the development of Internet 2, a new, super-high-speed computer network that will link the nation's leading research universities and is expected to be many times faster than today's system.

Erie

continued from page 1

develop 51 acres. The \$600,000, released Feb. 17 from the state's capital fund, will cover initial infrastructure costs related to this portion of the park, such as site excavation.

The park, expected to help create hundreds of new jobs for the Erie region, should be a catalyst for technological innovation in manufacturing and business for the area. Knowledge Park will house research and development facilities, multi-tenant space for growing businesses, corporate and technical headquarters, and technical and information processing facilities.

Reportedly, three growing companies employing close to 300 people in total are already considering signing up for the park.

PENNSTATE



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Making Life Better

Second year of statewide campaign aims to increase awareness of University's educational, economic and cultural benefits

By LISA M. ROSELLINI
Public Information

From its hundreds of outreach programs that touch well over half of Pennsylvania's population to the 400 new companies it helped spawn for the state, Penn State is "making life better" for Pennsylvanians and University officials want people to know about it.

That's why in March, billboards — 150 to be exact — will begin cropping up across the Commonwealth with the simple message that Penn State is "Making Life Better." The billboards, as well as spots on 45 radio stations around the state, are part of the second year of a multi-year campaign to increase awareness among Pennsylvanians about the University and its educational and economic contributions, as well as the cultural benefits it brings to the state.

"No other university in the state is engaged in such varied activities that touch virtually every Pennsylvanian," said President Graham B. Spanier. "The benefits Penn State

brings to Pennsylvania cannot always be neatly calculated. Beyond the economic impact it generates and the very measurable boost to industries and businesses, Penn State is clearly making life better through its teaching, research, service and the cultural activities it brings to each of its 24 locations. Penn State has nearly 400,000 living alumni, about 200,000 of whom live and work in Pennsylvania."

Spanier said he believes it's important for the University to increase the public's awareness of how extensive Penn State's role is in the Commonwealth, since higher education in general has in recent years come under closer scrutiny due to rising costs. Another reason for telling the Penn State story is because of the fiscal challenges facing the University and the need for increased state funding.

Heightened recognition of the value and importance of higher education among Pennsylvania's legislators, business and community leaders and citizens should lead to better understanding of the University's contributions. In a

See "Campaign" on page 3

Spanier asks legislators to boost support

By LISA M. ROSELLINI
Public Information

Calling for a stronger partnership with the state, University President Graham B. Spanier urged legislators Monday to consider increasing Penn State's appropriation for each of the next four years to keep both the University and Pennsylvania competitive.

"Pennsylvania has a continuing responsibility to be a leader among the states. An important part of such leadership is a nationally competitive public education system," Spanier said.

See "Hearing" on page 2

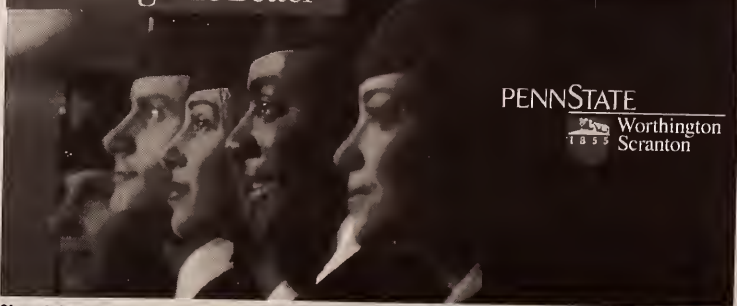
Palmers donate art valued at \$1.5 million

A promise to donate works of art, including nearly 400 drawings by sculptor Seymour Lipton, to the Palmer Museum of Art is designed to interest others in bolstering the museum's permanent collection. The drawings by Lipton (1903-86), one of the best known abstract expressionist sculptors, were recently purchased from his estate by James R. and Barbara R. Palmer of State College.

James R. Palmer is retired president and CEO of C-Cor Electronics, a manufacturer of cable television components. He is honorary chair of the campaign committee for the College

See "Palmer" on page 2

Making Life Better



Sign of the times

One hundred fifty billboards, similar to this one, will begin appearing across Pennsylvania as part of a statewide campaign to raise awareness of Penn State's importance to the economy and vitality of the Commonwealth.

Inside



Easing into retirement

For those who need a slower transition into their golden years, the University offers a Voluntary Phased Retirement Program. For details on how the program works and who is eligible, please turn to page 7.



Smart heart

Efforts to produce a total artificial heart are quietly inching forward in the College of Medicine at The Hershey Medical Center. For more information about recent projects, please see page 15.

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Hearing

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"Yet the level of support Penn State receives from the Commonwealth is inadequate to allow us to keep up with basic operating costs, let alone become more competitive with our peers across the nation."

Spanier spoke before the state Senate on Feb. 23 in an effort to persuade legislators to boost the governor's proposed 3.25 percent appropriation increase for 1998-99. On Feb. 3, Gov. Tom Ridge unveiled his \$17.8 billion state budget, which earmarked \$299.1 million for Penn State—just \$9.4 million over last year's appropriation.

Spanier said it was the governor's most generous budget proposal yet, and it meets the "stay even" needs of the University. However, it does not provide the additional funds requested to make the University more competitive and to assist the Commonwealth in the range of workforce challenges it faces.

"Penn State's appropriation is declining in purchasing power. When adjusted for inflation, the appropriation is down 6.5 percent since 1991-92," Spanier said. "Penn State also receives the lowest educational and general appropriation per full-time equivalent student of all of the Commonwealth's public universities."

Promising to be "good stewards" of any funding received, the president summarized the University's four-year plan for hedging inflation, remaining competitive and creating a positive future for Pennsylvania. The University has asked the state for an 8.4 percent increase over the 1997-98 budget figures, for a total of \$314.3 million. Spanier said new appropriations to cover inflation will be used to address basic needs such as increases in fuel and utilities, employee benefits and salary adjustments.

The additional 5 percent being sought for each of the four consecutive years would be invested in several high priority areas, including additional

For more information

A tape-delayed version of the Senate appropriations hearing can be viewed on Pennsylvania Cable Network (PCN). For a listing of times it will air, check the Web at www.pcnvtv.com.

faculty positions; information technology and libraries; the life sciences; critical academic program priorities; deferred maintenance; and agricultural research and cooperative extension.

Spanier explained to legislators that more faculty will help bring down class sizes and increase Penn State's competitive edge. In the area of information technology and libraries, more funding is needed to keep up with new developments and rapid changes, but the potential rewards for remaining a leader in these areas are great. The area of life sciences is another realm that Spanier pinpointed as quickly changing and in need of investment.

Focusing on the four key areas he outlined in his State of the University Address last September, Spanier told the Senate that children youth and families; materials science; environmental studies; and information science are all areas of compelling societal interest that deserve special investment.

"Public colleges and universities are eager to work together to develop an increasingly educated and able populace; the research necessary to develop new knowledge across a wide and increasing range of areas ... and a network of services designed to make life better for the Commonwealth's citizens."

"An increased investment in Penn State by the Commonwealth will return far more value than the dollars involved," Spanier said. "I pledge ... that every part of the Penn State community will work to ensure a substantial return on this investment."

Spanier will again go before the Legislature on March 3 when he answers questions about Penn State's appropriation request for members of the House of Representatives.

Obituaries

Maryann Emel, table attendant, The Nittany Lion Inn, from March 30, 1980, until her retirement Jan. 11, 1993; died Jan. 16. She was 65.

Jay R. Harpster, maintenance worker, Office of Physical Plant, from April 7, 1935, until his retirement Aug. 23, 1975; died Jan. 15, at the age of 84.

Robert J.E. Hemman, associate professor of engineering research, Applied Research Laboratory, from Feb. 16, 1948, until his retirement April 1, 1983; died Jan. 15, at the age of 78.

Robert F. Marboe, assistant director of Applied Research Laboratory; associate professor of engineering research; and head of engineering services, from Feb. 1, 1946, until his retirement July 1, 1982; died Jan. 7, at the age of 81.

Antonia D. Mullen, stock clerk, Penn State Abington, from Nov. 1, 1967, until her retirement Nov. 11, 1977; died Jan. 19. She was 80.

Richard L. Price, groundskeeper, golf course, Intercollegiate Athletics, from Aug. 24, 1976, until his retirement March 1, 1996; died Jan. 24. He was 63.

Richard O. Rowlands, professor of engineering research, Applied Research Laboratory, from Sept. 1, 1957, until his retirement July 1, 1979; died Dec. 16, 1997, at the age of 83.

Brenda K. Shirk, maintenance worker, utility, Applied Research Laboratory, from Dec. 2, 1979, until her death Jan. 7. She was 37.

Palmers

continued from page 1

of Communications. Barbara R. Palmer is a former director of C-Cor Electronics. An honorary alumna of Penn State, she is a member of the University's Campaign Steering Committee and will chair a committee on women's philanthropy during the forthcoming campaign.

The works promised by the Palmers will be valued at approximately \$15.5 million. Lipton used the drawings extensively in preparation for his sculptures, and many already are on loan to the museum. In addition to their commitment to donate the drawings, the Palmers have given \$100,000 toward the premiere appearance of a traveling exhibition of Lipton works, planned for fall 1999 at the museum. The museum's permanent collection includes other two- and three-dimensional Lipton works.

"Seymour Lipton was one of the most gifted and innovative American sculptors of the 20th century," said Jan K. Muhrlert, director of the museum. "The hundreds of drawings which he produced provide us with a wonderful opportunity to study and appreciate his working methods and creative process. It is most appropriate for the Palmer Museum to have these drawings available for our students in the Department of Art History and the School of Visual Arts."



BARBARA R. AND JAMES R. PALMER

The Palmers were the primary donors toward the recent expansion of the museum, which was renamed in their honor. They also are long-time donors as well to such Penn State programs as the Pennsylvania Centre Stage, the College of Engineering, the Renaissance Scholars Fund, and the College of Communications Studies. Both are graduates of Iowa State University, where they also have been honored for their philanthropy.

Penn Staters

Anthony Baratta, professor of nuclear engineering, Kostadin Ivanov, assistant professor of nuclear engineering, and Tara M. Beam, nuclear engineering graduate student, received the best benchmark paper award at the 1997 Joint International Conference on Mathematical Methods and Supercomputing for Nuclear Applications. Their paper was titled "Benchmarking Advanced Coupled Neutronic/Thermal Hydraulic Computer Code Models for Nuclear Power Plants."

Andrew Clark, professor of biology, presented an invited paper titled "Limits to Prediction of Phenotypes from Knowledge of Genotypes" at a conference on "The Limits to Knowledge in Evolutionary Biology" at the University of California, Riverside. Clark also was an invited speaker for the Gordon Conference on Molecular Evolution in Ventura, Calif. His lecture was titled "Molecular Population Genetics of Human Lipid Protein Lipase." In addition, Clark gave the invited talk "Experimental Introgression in *Drosophila*" at the annual meeting of the American Association for the Advancement of Science.

AccuWeather, the company founded and run by Joel N. Myers, Penn State Board of Trustee member, has been honored by the Technology Council of Central Pennsylvania for excellence in the use of technology. AccuWeather is the largest commercial weather forecasting organization in the world. Its forecasts are broadcast on 200 radio stations and 200 individual stations including CNN, ABC and Fox.

Jorge Pullin, associate professor of physics, has been elected chairman of the Scientific Program Committee for the 16th International Conference of the International Society on General Relativity and Gravitation, which will take place in 2001 in Durban, South Africa.

The conference, which is held every three years, is the oldest worldwide conference in general relativity and gravitation, having been held without interruption for 38 years. It highlights the most significant current research in the field and is attended by more than 500 scientists from all over the world.

Campaign

continued from page 1

1997 survey, 74 percent of Pennsylvania adults said they believe the state's current funding distribution for higher education is unsatisfactory. Of those who responded, 70 percent said they favored more funding for public universities. However, in that same year, only about 20 percent of Penn State's total \$1.41 billion budget was supported by state appropriations.

"Investing in higher education in Pennsylvania should be a top priority," Spanier said. "The benefits reaped from such an investment are vast and lasting."

As an example, statistics show that the typical male high school graduate earns an annual income of \$27,952, while his counterpart who is a college graduate with a bachelor's degree earns \$48,856. In addition, cost-benefit studies have shown that for every dollar a state invests in undergraduate education, the return on investment from tax revenues alone is more than \$4. That's a 4-to-1 ratio of return.

"The fact that Penn State annually educates nearly 80,000 undergraduate and graduate students — 88 percent of whom are Pennsylvania residents — clearly says something about the extensive value of Penn State. These numbers do not even take into consideration the number of people who are served through continuing and distance education," John Romano, vice provost and dean for enrollment management and administration, said. "But on top of the educational component, Penn State's research and technology has contributed to the creation of more than 5,000 new jobs and the retention of more than 3,500 existing jobs in the state. This University is definitely a part of the fabric of Pennsylvania."

Spanier said many people may not realize that Penn State research, and university research in general, has helped spawn a number of industries and developments that have far-reaching outcomes, such as the major advances made in the pharmaceutical industry or the hundreds of thousands of high-paying, technology-based jobs that resulted from the creation of the Internet and university research into digital communications.

The billboards, which will begin going up March 1 in 19 different regions of the state where University campuses are located, show the profiles of five graduates clad in cap and gown with the words "Making Life Better" emblazoned above them. On the side, a Penn State mark with the name of the nearest University campus is visible. The radio spots, which will also air in regions where there are Penn State locations and will include a local identifier, are either 30 or 60 seconds in length and also underscore Penn State's many missions.

"These are very effective ways to reach a large number of people in the four weeks the campaign will air," said Cynthia B. Hall, director of University marketing, Office of University Relations. "But we would like everyone across the University to continue to use this phrase, because we truly believe that Penn State and Penn States are making life better through everything we do — whether it's related to teaching, research or service."

Hall said the message — "Making Life Better" — is intentionally short and to-the-point and should allow viewers or listeners a chance to think about how Penn State has touched their lives. A nine-member committee, co-chaired by Hall and Joyce Matthews, director of recruitment and admissions for Penn State campuses, Undergraduate Admissions Office, revisited the 1997 billboard and radio campaign to determine its effectiveness. Last year's theme was "Educating Pennsylvania." Although telling, these two words did not cover the wide range of activities in which Penn State and its people are involved.

"With an institution the size and scope of Penn State, we can never stop trying to paint a picture that is as comprehensive as possible," Romano said.

The committee, which consisted of representatives from various Penn State campuses and units, believes the theme "Making Life Better" speaks volumes about Penn State and its mission, as well as its presence in all areas of the state.

According to Matthews, this statewide campaign is expected to boost the visibility of all Penn State locations.

"We are recognized nationally and internationally as a leader in higher education, a leader in technology transfer, a leader in outreach," Spanier said. "We fulfill our land-grant mission every day, in a variety of ways, in every corner of the state and we want people right here in Pennsylvania to hear the good news and to stop and think about how Penn State really is making their lives better."

Who's involved

Funding for this statewide campaign was made possible through a partnership among the following central units and the campuses involved:

- Continuing and Distance Education
- Development and Alumni Relations
- Enrollment Management and Administration
- The Office of the Provost
- Outreach and Cooperative Extension
- University Relations



Going the right way

Chris Edson, a University tree surgeon, fastens a safety line to a tractor that was used to guide this falling tree, seen in the distance, into the parking lot of The Nittany Lion Inn, instead of onto Park Avenue near the University Park campus. This black oak was being removed because of a severe case of root rot.

Photo Greg Grieco

Bookshelf

A new collection of essays on women's writing and speeches, scheduled for publication this month by the University of South Carolina Press, covers a range of rhetorical pursuits and historical eras.

Listening to Their Voices, The Rhetorical Activities of Historical Women, by Molly Meijer Worthheimer, Penn State Hazleton associate professor of speech communication and women's studies, includes essays on the bold speech of ancient Egyptian women, the rhetorical genres of mother's manuals and commercial writings in the middle ages,

the sexual stereotyping of prose style in rhetorical theories of the Enlightenment and exhortations for racial uplift by 19th-century African American women. The essays help show how women contributed to their communities as speakers and writers.

Worthheimer also has co-authored *Public Speaking as a Liberal Art*, and is currently working on another collection of essays titled *Making a Statement*, which focuses on indirect forms of communication such as art work, dress and mixed modes such as "The Clothesline Project."



LECTURES

Mind medicines topic of final talk in series

"Medicines for the Mind" is the final lecture in the spring semester 1998 Penn State Lectures on the Frontiers of Science series.

The free talk, by Joan M. Lakoski, associate professor of pharmacology and anesthesia at Penn State, will be given at 11 a.m. Saturday, Feb. 28, in Kern Graduate Center on the University Park campus.

Lakoski is an internationally known neuropharmacologist whose research interests include studies of serotonin neural systems in the aging brain.

During her talk, Lakoski will discuss new approaches for the therapeutic treatment of affective disorders,



JOAN M. LAKOSKI



including anxiety, depression and schizophrenia. She will discuss how these modern medications affect the serotonin and dopamine neurotransmitter systems as well as their use as novel approaches for the treatment of substance abuse.

This lecture series is designed for the enjoyment and education of central Pennsylvania residents and is sponsored by the Eberly College of Science.

For more information, call (814) 863-8453, e-mail science@psu.edu, or log in to <http://www.science.psu.edu> on the Web and follow the links.

Explore impact of data in health care

Health care decision-makers, motivated by the demands of health care reform, are expanding their use of outcomes data in policy making and the design of health care delivery systems. Yet, among diverse health care organizations, the same data analyses can be interpreted very differently, resulting in confusion for both providers and consumers.

This factor, in addition to a growing demand for analytic expertise in many health care organizations, prompted leaders in the College of Health and Human Development and the College of Medicine to hold the first conference on health care outcomes, "The Outcomes Imperative: The Use and Impact of Data in Health Care," Friday and Saturday, Feb. 27-28, at The Penn State Conference Center Hotel.

The conference will bring together nationally recognized leaders in outcomes research, measurement and management with others who will furnish a "hands-on" perspective on the use of data in health care decision making.

The keynote presenter is Dr. David B. Nash, founding director of the Office of Health Policy and Quality Outcomes at Thomas Jefferson University Hospital and assistant professor of Medicine at Jefferson Medical College in Philadelphia. He will present "The Evolving Role of Outcomes Data in Clinical Decision Making: Implications for Practitioners, Managers, Payers and Patients" at 10 a.m. Feb. 27.

Nash's talk will frame the debate on the use and usefulness of outcomes data in health care.

Other presenters are:

■ **Chris Catkins**, outreach and curriculum development specialist, Department of Health Policy and Administration, and Kathryn Dansky, assistant professor in health policy and administration, on "Everyone Has Data But Me: Identifying Data Sources and Developing Outcomes Measures" at 1:15 p.m. Feb. 27.

■ **Dennis Scanlon**, assistant professor of health policy and administration, will discuss "Organizational

Talk covers topics of cancer, ethnicity, affirmative action

Dr. Lovell A. Jones, professor in the departments of gynecologic oncology and molecular biology and biochemistry at the University of Texas Anderson Cancer Center, will present a public lecture on Monday, March 2, at 3:30 p.m. in 110 Henderson Building (Living Center) on the University Park campus. The lecture is titled "Cancer, Ethnicity and Affirmative Action."

Jones has devoted extensive personal and professional time to the subject of minorities and cancer. He has edited one of the few comprehensive textbooks on this subject, *Minorities & Cancer*. He was a co-author of the Congressional resolution designating the third week in April as "National Minority Cancer Awareness Week." In 1991, he chaired the training session of the strategic fact-finding meetings on minority health and training in bio-

medical sciences for the Office of the Associate Director for Minority Health Research of the National Institutes of Health.

As a scientist, Jones has done extensive research into the relationship between hormones and endocrine responsive tumors. His present work involves determining the mechanism by which natural and environmental estrogenic agents may initiate cancers in hormonally responsive tissue.

Jones' lecture is presented by the Center for Special Populations and Health and the Department of Behavioral Health, both in the College of Health and Human Development. A reception will follow the event. For more information, call Pat Burris at the Center for Special Populations and Health at (814) 863-9794.

Learn about aging, heat and more

W. Larry Kenney, Penn State professor of physiology and kinesiology, will present the Evan G. and Helen G. Patishall Lecture of the College of Health and Human Development at 7:30 p.m. Thursday, March 5, in 101 Kern Graduate Center on the University Park campus. His topic will be "The Long Hot Summer: Probing Investigations of Aging, Heat, Health and Hormones." The lecture is open to the public and a reception will follow.

Kenney is recognized for his extensive research in the area of aging

and temperature regulation, including responses of older men and women to heat and cold stress and dehydration. His current work focuses on the independent and separate effects of age and fitness level on cardiovascular responses to exercise and heat stress.

Kenney will focus on studies he and his colleagues at the Noll Physiological Research Center have conducted over the past 10 years, examining why people over the age of 65 have more trouble tolerating heat stress.

Supreme Court associate justice to preside at convocation

The Hon. Antonin Scalia, associate justice of the U.S. Supreme Court, and Gov. Tom Ridge, Dickinson School of Law Class of 1972, will be special guests at a March 21 Convocation to celebrate the affiliation of the Dickinson School of Law and Penn State. The affiliation was announced in January 1997 and took effect on July 1, 1997.

The public convocation will be held at 11 a.m. Saturday, March 21, in the Allison United Methodist Church, adjacent to the law school campus. Other participants will include President Graham B. Spanier, Penn State Board of Trustees Chairman Edward P. Junker, Dickinson School of Law Dean Peter G. Glenn and Law School President Robert M. Frey, as well as faculty, alumni and students. H. Jesse Arnelles, former Penn State board chairman and an alumnus of both schools, will give the closing remarks.

For more information, contact Deb Ryerson at (717) 240-5202.

al Report Cards: Problems and Promises" at 10:30 a.m. Feb. 28.

■ **Dr. Mark Young**, professor and chair, Department of Health Evaluation Sciences, College of Medicine, on "Ten Statistical Pitfalls in the Comparison of Health Care Institutions" at 11:30 a.m. Feb. 28.

■ **State Rep. John E. Peterson** will address "Medicare and Medicaid Managed Care: Future Directions" 12:15 p.m. Feb. 28.

■ **Pamela Short**, head of Penn State's Center for Health Policy Research, will speak on "Performance Measurement and Public Policy: Where Do We Go from Here?" at 3 p.m. Feb. 28.

The conference, which is an outreach service of Continuing and Distance Education, also will cover various other topics such as cost-benefit analysis of outcomes measurement and statistical pitfalls.

For more information on the conference or to register, call (800) PSU-TODAY, or visit the Web at <http://www.cde.psu.edu/C&I/OutcomesImperative/>

More Lectures

Colloquium features expert on genetics

David Botstein, professor and chairman of the Department of Genetics at the Stanford University School of Medicine, will speak on "Of Genes and Genomes" in the Life Sciences Consortium's Colloquium March 3 on the University Park campus.

The colloquium will be videoconferenced from 101 Thomas Building to Room L-3621 at The Hershey Medical Center and to several other campus locations at 4 p.m.

Botstein received his A.B. from Harvard in 1963 and his Ph.D. from the University of Michigan in 1967. He was professor of genetics at the Massachusetts Institute of Technology until 1987 when he moved to Genentech Inc. as vice president-science. He moved to his present position in 1990.

Botstein's research has centered on genetics, especially the use of genetic methods to understand biological functions. His current research activities include studies of yeast



DAVID BOTSTEIN

genetics and cell biology, linkage mapping of human genes predisposing to manic-depressive illness, hypertension and other complex diseases and the development and maintenance of the *Saccharomyces Genome Database* on the Web (<http://www-genome.stanford.edu>).

He was elected to the U.S. National Academy of Sciences in 1981 and to the Institute of Medicine in 1993. He has won several awards, notably the Eli Lilly Award in Microbiology (1978), the Genetics Society of America Medal (1985) and the Allen Award of the American Society of Human Genetics (1989). He served on many policy-making and peer-review committees, most recently the National Institutes of Health Program Advisory Panel on the Human Genome (1989-90) and the Advisory Council of the National Center for Human Genome Research (1990-95).

Children's literature conference set

"Children's Literature Matters," an annual two-day event designed to help children discover the joys of reading, will be held April 3-4, at The Penn State Conference Center Hotel on the University Park campus.

This year's conference, for teachers, librarians, parents and others, will feature:

■ **Molly Bang** — Caldecott Honor illustrator of *Dawn, The Paper Crane, One Fall Day* and *Chattanooga Sludge*;

■ **Joseph Bruchac** — storyteller and author of *The Wisdom Keepers, Thirteen Moons on Turtle's Back, A Boy Called Sol and Tell Me a Tale*;

■ **Lois Ehlert** — Caldecott Honor illustrator of *Color Zoo, Feathers for Lunch* and *Chicka Chicka Boom Boom*;

■ **Maira Kalman** — author/illustrator of *Max in Hollywood, O La La: Max in Love and Stay Up Late*.

Activities will include general sessions with local and award-winning children's authors and illustrators, meet-the-author sessions, an autographing party, special sessions on new books and book sales.

The \$125 fee covers all instruction, course notes, program materials, refreshment breaks and lunch on Saturday. For more information, please contact: Dan Hade, associate professor of education (program content) at (814) 865-2161; or Carolyn Andersen, conference planner (brochure/registration) at (814) 863-5140. E-mail: ConferenceInfo@cdc.psu.edu.

For current information, visit the Web at <http://www.cdc.psu.edu/C&I/childrensliterature/>.

Lecture focus is anatomy of women

Mimi Cazort, curator of prints and drawings at the National Gallery of Canada in Ottawa, will speak at 7:30 p.m. Tuesday, March 3, in the Palmer Museum of Art's Palmer Lipson Auditorium on the University Park campus. The lecture is part of the Department of Art History series, "Picturing Knowledge: Art, Science, Cognition."

Cazort's lecture, "The Anatomy of Eve," will focus on representations of female anatomy in the early modern period. The respondent, Londa Schiebinger, professor of history and women's studies at Penn State, is a specialist in gender and the history of science.

In addition to being gallery curator, Cazort is author of studies on Italian Renaissance drawings and botanical and anatomical images. Recently, she organized the exhibition "The Ingenious Machine of Nature: Four Centuries of Art and Anatomy" (Ottawa, Philadelphia; Jerusalem, 1996/1997), for which she wrote the catalog. The lecture is free to the public.

Penn State Erie plans several lectures in March

A variety of topics will be addressed during free lectures at Penn State Erie this month. The schedule follows:

■ **March 5:** Alda Blanco, "The New Spain, The New Woman," Feminist Scholar Speaker Series, Reed Union Building Lecture Hall, 7:30 p.m.

■ **March 17:** Rosa Luxembourg, Women's Film Series, Reed Union Building Lecture Hall, 7 p.m.

■ **March 18:** Haley Barbour, "An Insider's View of Washington," Penn State-Behrend Speaker Series, Reed Union Building Commons, 7:30 p.m.

■ **March 24:** *Raise the Red Lantern*, Women's Film Series, Reed Union Building Lecture Hall, 7 p.m.

■ **March 26:** Alan Boss, "Extrasolar Planets," Open House Night in Astronomy, 101 Behrend Science Building, 7:30 p.m.

■ **March 31:** *Antonia's Line*, Women's Film Series, Reed Union Building Lecture Hall, 7 p.m.

Photographer to reveal secrets of the rainforest

World-renowned photographer Gerry Ellis will give a free lecture, "Secrets of the Rainforest," at 1 p.m. Monday, April 20, in the Perkins Student Center Theatre at Penn State Berks. Few environmental issues have dominated world headlines as have discoveries within and destruction of the Earth's rainforests. Working with organizations including the Rainforest Alliance and the World Wildlife Fund, Ellis has spent years documenting the secrets of life within the emerald world of temperate and tropical rainforests. A vast and diverse domain, the rainforest holds countless secrets that have affected, and will continue to affect, our daily lives. For more information, call Doreen Fisher at (610) 396-6067.

Posters sought for Acidic Deposition Conference

The 1998 Pennsylvania Acidic Deposition Conference, a two-day event that will examine the forest health and acidification of natural resources in Pennsylvania, is slated for Sept. 14-16 at The Nittany Lion Inn on the University Park campus. Posters for a poster session on Sept. 15 are currently being solicited.

The program, which will include an international panel of forest health/acidification experts, is intended for foresters, regulatory agency personnel, government officials and others interested in the natural resources of the state. The panel will spend the week before the conference touring Pennsylvania forests and visiting with scientists at work on the problems of forest decline and forest regeneration. The conference will feature two days of invited oral presentations, as well as written papers for the conference proceedings.

For information on conference events or to display a poster at the conference, call Joy Drohan at (814) 863-0037 or e-mail jrr131@psu.edu by May 1.

Learn about logistics opportunities at April 17 symposium

Current logistics opportunities will be the focus of this year's R. Hadly Waters Logistics and Transportation Symposium to be held at the Penn State Conference Center Hotel on the University Park campus on Friday, April 17.

Joseph C. Andraski, vice president of integrated logistics for Nabisco Inc., will be presenting the keynote address, "Supply Chain Management: Are You a Player or Are You Sitting in the Grandstand?" Andraski's remarks are expected to focus on how companies can bring together elements of successful supply chain implementation and how change management is an

important skill in a successful organization.

In addition to the keynote address, other presentations include "Logistics Organization: Where's It All Headed," "Managing Third-Party Relationships," "Quantifying the Cost of Logistics" and "Reducing Expenses with Decision-Support Software." Logistics organization, relationship management, performance measurement and information technology are the main areas of concentration for the symposium.

The speakers represent Penske Logistics, Cargill Grain Division, Mercer Management Consulting, Grupo Cydsa, Chevron Chemicals, Quantum Interna-

tional, Andersen Consulting, LLP, Schneider National, Nabisco Inc., Johnson & Johnson, Leaman Logistics, Cytec Industries Inc., Warner-Lambert Co. and Hershey Foods Corp.

The conference is a continuing education service of The Smell College of Business Administration and is sponsored by Smell's Department of Business Logistics, the college's Center for Logistics Research, the Council of Logistics Management and the Penn State Logistics Association. Now in its ninth year, the symposium annually draws 200 people nationally from the business and academic communities.

WOMEN'S HISTORY MONTH

March has been designated as Women's History Month, a time to honor and recognize achievements by and on behalf of women. The following Penn State locations have planned activities to celebrate Women's History Month.

PENN STATE ABINGTON

Women's rights will be the focus at Penn State Abington during Women's History Month.

■ "Roe vs. Wade: Past and Future" will be presented by Sarah Weddington on Wednesday, March 4, at noon, 112 Woodland Building. A well-known attorney and spokesperson on public issues, Weddington argued before the U.S. Supreme Court the winning side of the landmark case that guaranteed to women the choice to continue or terminate an unwanted pregnancy. Weddington served in the Texas House of Representatives for three terms, where she helped reform the rape statutes and led efforts to pass Equal Rights Amendment ratification and an equal credit bill for women. She is the author of the best seller *A Question of Choice*.

■ "Women's Rights, Pornography and Free Speech" will be the topic of a lecture given by Nadine Strossen on Wednesday, March 18, at noon, 112 Woodland Building. A graduate of Harvard Law School, Strossen is the first woman to be elected president of the American Civil Liberties Union. She has written, lectured and practiced extensively in the areas of constitutional law, civil liberties and international human rights.

Both programs are free to the public.

PENN STATE ALTOONA

■ Follow the Path to Empowerment, Women's Awareness Week — March 2-4;

■ Monday, March 2, from noon to 1 p.m., "Go with the Flow: Meditation/Relaxation for Women," in rooms 101-103 CAC;

■ Personal Pathways — Three women discuss their personal paths to empowerment. Topics include: "Cultural Diversity and Adoption;" "From a Lesbian's Point of View;" and "Surviving Domestic Violence;"

■ Sarah Weddington and Phyllis Schlafly: "Roe vs. Wade Debate — 25 Years Later," Tuesday, March 3, at 7:30 p.m. in the Adler Athletic Complex. Admission is free, but tickets are required. Tickets are available at the Bookstore.

In 1973, the United States Supreme Court granted women the right to choose whether or not to terminate an unwanted pregnancy. Since then, the topic continues to divide a country.

Penn State Altoona will host a debate between Sarah Weddington, attorney and advocate for a woman's right to have an abortion, and Phyllis Schlafly, attorney and leading critic of the feminist movement.

At age 27, Weddington successfully argued Roe vs. Wade before the Supreme Court and, in the years since this landmark decision, has continued her role as a leader on women's issues. Among her accomplishments is being elected as the first female representative in the Texas Legislature and an appointment as special assistant to President Carter. She is the author of *A Question of Choice*, the 1992, best-selling account of her life and involvement in the historic Roe vs. Wade case.

Her counterpart, Schlafly, is a lawyer, columnist and president of Eagle Forum, a conservative, pro-family organization. She is best known as the woman who led the defeat of the Equal Rights Amendment and as the author of *A Choice Not An Echo*, which was rated as one of the top 10 conservative books of all time. She served as the chair of the

1992 GOP Convention Platform Committee and has written 16 books on various subjects including feminism, nuclear strategy, education and child care.

The "Roe vs. Wade Debate — 25 Years After" is part of the campus' Distinguished Speaker Series.

■ Spring Break Survival Kits: Going on Spring Break? Be Safe! Stop by the table in Slep Student Center from 10 a.m. to 2 p.m. Wednesday, March 4.

■ Ladies Night at Adler from 6:30-10 p.m., Wednesday, March 4. Special programs include: personal training in the weight room, 7-8 p.m.; self-defense demonstration, Brown Room, 8-10 p.m.

PENN STATE BERKS

■ In celebration of the 150th anniversary of the Women's Rights Movement, Penn State Berks will show the video "Equality: A History of the Women's Movement in America" at 1:15 p.m. Wednesday, March 4, in the Forum Room of the Perkins Student Center. This 30-minute video features leading writers, scholars and social activists of our time, interpreting the events and discussing the people involved in the women's movement in America. In addition, Sheila Ridley, chair of the Penn State Berks Campus Liaison to the Penn State Commission for Women and instructor in exercise and sports science at Penn State Berks, will give a lecture, followed by group discussion. Pizza and soda will be provided, and all members of the campus community are encouraged to attend. A \$1 donation is requested.

■ The Penn State Berks Campus Liaison to the Penn State Commission for Women Banquet will be held on Tuesday, March 31, in the campus' Beaver Community Center auxiliary gymnasium. With the theme of "In Praise of Women," the banquet is open to all members of the campus community. This year's speaker is Beth McGinnis from Children Services of New Jersey. Other highlights of the evening include a performance by the campus' dance team. The cost is \$5 for students and \$10 for faculty and staff.

PENN STATE DELAWARE COUNTY

■ Tuesday, March 3, at 11:30 a.m.: Nadine Strossen, president of the American Civil Liberties Union (ACLU), will discuss "The Empowerment of Women in the 21st Century," Student Lounge of the Main Building.

In 1991, Strossen was elected president of the ACLU and became the first woman to head the nation's largest civil liberties organization. A Harvard Law School graduate and professor of law at New York Law School, Strossen has written, lectured and practiced extensively in the areas of constitutional law, civil liberties and international human rights.

■ Tuesday, March 3, 10 a.m. and 6:30 p.m.: "Faces of Women," a 1985 film directed by Desire' Ecare, will be shown in room 112 in the Vairo Library.

■ Monday, March 23, at 12:30 p.m.: "The Black Student League Celebrates Womanhood." The Black Student League will sponsor a lunch forum celebrating the contributions of African American women, past and present. In the Large Conference Room of the Commons Building.

■ Thursday, March 26, 11:30 a.m.: Women's Commission Luncheon, Large Conference Room of the Commons Building.

■ Monday March 30, 12:30 p.m.: Valeria Harvell, instructor of black studies at Penn State Abington, will discuss her research on issues facing African American women, room 207 of the Main

Building. All events are free, and most are open to the public.

PENN STATE DUBOIS

■ Monday, March 2: "Students Present and Past" literary presentation at 8 p.m. in Hiller Student Union. Current student Lori White will present poetry selections and sing, and former student Linda Buchanan will read from her original poetry which was recently featured in *The Centre Daily Times*. Free to the public.

■ Thursday, March 5, 8-9:30 p.m., Hiller Auditorium: Poetry reading by Liz Rosenberg from SUNY Binghamton.

■ Women Only Weight Room Hours, 10 a.m. till noon on the following days: Tuesday, March 17; Thursday, March 19; Tuesday, March 26; and Thursday, March 28.

■ "Shades of Brilliance: Educated Women in the Progressive Era," with speaker Linda Ensek, DUS coordinator at Penn State DuBois, Monday, March 30, from noon to 1:30 p.m., Smel Conference Room. This event is open to the public.

■ Wednesday, April 1, from noon to 1:30 p.m., Smel Conference Room: Jean Ann Streiff will give a presentation on aspects of women and education. Lunch will be provided.

PENN STATE HARRISBURG

■ March 2: Beverly Cigler, professor of public policy and administration, speaking on "Women, Civic Responsibility and Leadership" at 10 a.m. in the Gallery Lounge.

■ March 2: Yvonne Milspaw will discuss "Quilts: A Social and Cultural History of American Women," at 6 p.m. in the Gallery Lounge.

■ March 4: Simple Gifts, a musical group which offers a variety of selections from Irish jigs to Balkan dances, will be in concert at noon in the Gallery Lounge.

■ March 17: Comedian Leighann Lord will appear at 9 p.m. in the Dining Commons.

■ March 23: Film on "The Life and Times of Rosie the Riveter" will be shown. The location will be announced at a later date.

■ March 24: Flora Singer, a Belgian survivor of the Holocaust, will discuss her past at 6 p.m. in the Gallery Lounge.

■ March 26: A reception and gallery talk with artist Linda Rugel in the Gallery Lounge from 6 to 8:30 p.m.

■ March 31: Lisl Bogart, a Czech survivor of Terezin, will discuss the Holocaust at 6 p.m. in the Gallery Lounge.

PENN STATE MCKEESPORT

■ Sculptor Hilary Shames Langhorst will display and discuss her work during the Women's History Month luncheon program at Penn State McKeesport on Wednesday, March 25, at noon in the Frable Conference Center, room 122.

The luncheon is open to University employees only; cost is \$5 and reservations may be made through Arlene Fath (412) 675-9491. The 1 p.m. program is open to the public.

Langhorst works in many mediums including wood carving, stone, plaster, welding, modeling clay, wax, mold making and bronze casting. She had solo exhibitions in 1994 in Germany at Alder Apotheke, Hanover, and at Volksbank in Wageningen.

WOMEN'S HISTORY MONTH

continued from page 6

PENN STATE GREAT VALLEY

■ Thursday, March 12: Luncheon lecture, "Living History Heroines" by Bonnie Bachman. This talk is designed to transport listeners to the era of famous women from Pennsylvania. A combination of research, actual quotes, period costuming, music and vintage props, enable these women to step out of the past.

In addition, a video depicting the history of the women's movement in America will be shown and posters will be on display in the lobby.

UNIVERSITY PARK

■ Gender History Workshop, Wednesday, March 4, from 12:15-1:30 p.m., 102 Weaver Building, Guido Ruggiero, Department of History, will discuss "Clerical Gender," at 12:15 p.m., 102 Weaver Building.

■ Monday, March 16: Commission for Women 13th Annual Banquet, The Nittany Lion Inn, reception begins at 5 p.m. University community is invited. Lynne Goodstein, associate dean of the Graduate School and professor of administration of justice and women's studies, will be the speaker for the evening.

For reservations, call (814) 863-7696. The cost of the evening is \$12 for students; \$20 for nonstudents; and \$300 for reserved tables. Child care is available, but pre-registration is required by calling (814) 863-7696. The deadline for all reservations is March 6.

■ Tuesday, March 17: Feminist Scholars Series presents Joni Seager, associate professor and acting chair, Department of Geography at the University of Vermont. She will discuss "Sex, Lies and Statistics: Mapping the Global State of Women," at 4 p.m. in 112 Kern.

■ Wednesday, March 25: Graduate Research Colloquium at noon in 12 Sparks Building.

PENN STATE WILKES-BARRE

An Afternoon Film Series featuring women in various roles will be presented from 3-6 p.m. in the Center for Technology on the following dates:

■ Wednesday, March 4 — "Bringing Up Baby" (women in comedy);

■ Monday, March 18 — "Mildred Pierce" (women's melodrama); and

■ Wednesday, March 25 — "Bhaji on the Beach" (woman director)

■ Career Panel (non-traditional to gender) at noon Friday, March 20, in Hayfield 105. Panelists include: Todd Hastings, a registered nurse; Cynthia Knelly, a chiropractor; and Susan Yelen of Salomon, Smith and Barney.

■ "Martha Stewart: Entrepreneurialism and Women's Domestic Lives," presented by Lynda Goldstein, assistant professor of English, at noon Friday, March 27, Hayfield 105

■ Mary Hines, campus executive officer at Penn State Wilkes-Barre, will discuss "Challenges for Women in Leadership Positions" at noon Tuesday, March 31 in Hayfield 105.



No sore toes here

Elizabeth Hanley, associate professor of kinesiology, and her dance partner Pat Kolizosky show some dance moves to members of a ballroom dance class on the University Park campus.

Photo: Greg Grieco

■ EMPLOYEE BENEFITS

Voluntary phased retirement available

For some individuals approaching retirement, the prospect of transition from a regular work week to not working at all is an anticipated and welcome change. Others would prefer to ease into their retirement. The Voluntary Phased Retirement Program at Penn State provides regular faculty and staff with the option of voluntarily reducing both work commitment and compensation as the faculty or staff member approaches a designated retirement date.

The program allows the individual to have a more "free scheduling" commitment, enabling him/her to phase into retirement over a period of years. It also may be seen as a vehicle for mentoring junior faculty and staff as the more senior faculty or staff member eases out of strategic roles. Reduction of work commitment might include such activities as reducing teaching load, transferring administrative responsibilities, or shifting projects or skills to other staff.

Participation in the program must be supported by the individual's department head, campus executive officer (as appropriate) and dean or administrative officer. Support for the request takes into consideration the department's ability to support it both academically and financially, as well as the strategic planning of the department, college or administrative unit. Because the program must operate within the respective college or administrative unit's budget, it may not be possible to approve all phased retirement proposals in a given year. Proposals may be resubmitted in a subsequent year.

Important issues to consider before submitting a phased retirement proposal are:

■ In consideration of the reduced work commitment, the participant agrees to reduce compensation. Reduced compensation and responsibility normally occur in increments of 15 percent to 25 percent.

■ Faculty and staff who are members of the State Employees' Retirement System (SERS) will have a proportionately reduced service credit.

Employee contributions to the retirement plans will be made based on the reduced earnings, as will University contributions. Individual concerns about the impact of phased retirement on the pension benefit to be received should be discussed with either SERS or TIAA-CREF, as appropriate.

■ Healthcare, dental, vision, life insurance and VADD benefits are retained during phased retirement. Long-Term Disability (LTD) will be continued based on the reduced salary.

■ Normally, phased retirement programs will begin July 1 and end June 30.

■ Agreement to participate in the program is irrevocable. Typically, participation in the program should be one to three years in duration for an individual, although renewal after three years may occur with mutual consent.

■ While the percentage of time worked may remain constant or may decrease during the period, it is not expected to increase from one year to the next. However, exceptions may be made by mutual consent.

Faculty and staff who wish to participate in the program should submit a written proposal about six months before the intended commencement date of the program. Proposals should include, but not be limited to, such items as: starting date; length of the phased retirement program; the percentage of reduction in work responsibilities each year (and the corresponding reduction in compensation); the type of work assignments in each year; and the perceived benefit to the department and college or administrative area.

When the proposal has been approved, the recommended agreement is forwarded to the assistant vice president for human resources (or staff), or the vice provost (for faculty) for approval. The agreement can be modified by mutual consent.

The Phased Retirement Program will be reviewed and assessed every three years by the assistant vice president for human resources and the vice provost for academic affairs and personnel, with input from participating deans and administrative officers in order to ensure that the University's mission and financial well-being are supported by the program. While it is expected that the program will continue, the University reserves the right to amend the policy or to suspend the program. Participants who are already in the program would not be affected by a suspension.

ARTS & ENTERTAINMENT

AT PENN STATE



School's in session

Professor Grover teaches his students Prairie Dawn, Ernie and Bert in Sesame Street Live "Let's Play School." The production will be at The Jordan Center March 31 and April 1.

"Color of Dusk"

In 1996, the award-winning poet Dolores Kendrick and composer Wall Matthews collaborated in creating "The Color of Dusk," a critically acclaimed recording of music set to poems. A free concert of this music featuring composer Wall Matthews, singer Aleta Greene and poet Dolores Kendrick is set for 8 p.m. Friday, Feb. 27, at Penn State York in the Community Room of the Student Center.

"The Color of Dusk" joins a variety of artists together for a unique performance. The poems came from *The Women of Plums: Poems in the Voices of Slave Women*, a book that won Kendrick a National Endowment for the Arts Award, the Anisfield-Wolf Award and the George Kent Award for Literature. The poetry captures the voices of women during that time and charts their journey through life.

Graduate recital

Mezzo-soprano Sally Wilson and tenor Phil Doucette will perform a graduate recital at 8 p.m. Saturday, Feb. 28, in Room 122 Music Building 11 on the University Park campus. Pianist Patrick Lawrence will accompany both singers during the free recital.

Chamber Orchestra

The Penn State Chamber Orchestra will present its first concert at 4 p.m. Sunday, March 1, in the School of Music Recital Hall on the University Park campus.

Pu-Qi Jiang, associate professor of music, will conduct the free concert.

Turkish Drama Club

An American premiere of the play "Kahraman Bakkal Supermarket Karsi (Courageous Grocer vs. the Supermarket)" written by Ferhan Sensoy and directed by Gurhan Elmalioglu will be performed at 8 p.m. March 1 and 2, in the HUB Assembly Hall on the University Park campus. Admission is free.

The play integrates original music, singing and traditional storytelling in a unique manner. It is the comic tale of a grocer and her struggle for survival against the new supermarket in Istanbul. Through her struggles the play reveals the diversity, humor and quick thinking of the people of Istanbul. The play is sponsored by the Turkish Drama Club. One of the missions of the club is to present contemporary Turkish theatre to the University Park community.

A synopsis of the whole play for non-Turkish speaking audience members will be available upon arrival.

Ventriloquist at Abington

Ventriloquist Lynn Trefzger will bring her comedy act to Penn State Abington on Monday, March 2.

Trefzger brings together amazing figure manipulation and exceptional vocal skills to create a comedy act which delights young and old.

The free program will begin at noon in 112 Lares Building.

Bands in concert

The Penn State Symphony Band and Concert Band will present a concert at 8 p.m. Tuesday, March 3, in Eisenhower Auditorium on the University Park campus.

The Concert Band is directed by O. Richard Bundy, associate professor of music. Dennis Glocke, associate professor of music, and graduate assistant Kevin Tutt will conduct the Symphony Band.

Tickets are \$5.50 for general admission, \$3 for students, and are available through the Arts Ticket Center, (814) 863-0255, or at the door.

Choir concert

Graduate student Dennis Malfatti will conduct the Penn State Concert Choir, Chamber Singers and University Choir in a concert at 8 p.m. Wednesday, March 4, in the School of Music Recital Hall on the University Park campus.

The concert is free to the public.

Bach's Lunch

The Penn State Saxophone Choir, directed by Dan Yoder, professor of music, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, March 5, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Saxophone Choir consists of 12 undergraduate and graduate saxophone majors in the School of Music, all students of Yoder.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Events at Erie

Penn State Erie has a full slate of events planned for March. The schedule follows:

■ March 19: Crosstown Trio, Music At Noon: The Logan Wintergarden Series, Reed Union Building Commons, noon. Free.

■ March 20: Lynn Trefzger, ventriloquist, Bruno's Café, 8:30 p.m.

■ March 26-29: The Pirates of Penzance, Reed Union Building Commons, 8 p.m. each day, with an additional performance at 2:30 p.m. March 29. Tickets, \$5. For reservations call (814) 898-6016.

■ March 27: Sabrina Matthews, comedienne, Bruno's Café, 8:30 p.m.

■ March 30: Cleveland Duo with



BRUCE JORDAN CENTER

Elmo and friends return

Sesame Street Live returns to The Bryce Jordan Center with "Let's Play School" at 7 p.m. Tuesday, March 31, and at 10:30 a.m. and 7 p.m. Wednesday, April 1, on the University Park campus.

Tickets for the April 1 performances are \$15.50, \$13.50 and \$11.50 for adults; \$15.50, \$12 and \$10 for children age 1-10. Infants under age 1 are admitted free. There will be an opening night special of \$15.50, \$10.50 and \$8.50 for tickets to the March 31 performance.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

James Umble, part of Music at Noon: The Logan Wintergarden Series, Reed Union Building Commons, noon. Free.

Israeli jewelry, artifacts

The Kern Exhibition Area at University Park will feature Israeli jewelry, artifacts and crafts through March 29.

The exhibit, organized by Tuvia Abramson, will help celebrate Israel's 50th anniversary. The exhibit exemplifies the diversity of Israel's ethnic background and reflects the motifs which are woven into Israel's modern society.

Comedian at Arts Center

Texas-born stand-up comedian Bill Engvall, whose country-timed humor has earned him recurring guest appearances on such noted TV sitcoms as "Designing Women," "Delta" and "The Jeff Foxworthy Show," will make his northern Pennsylvania debut on Thursday, April 9, at the Community Arts Center in Williamsport, part of Penn College.

His signature routine, "Here's Your Sign," has served as the title of his hit CD and videotape, as well as a dual recording with country legend Travis Tritt. Engvall's routines include observations about such seemingly commonplace subjects as golf, state fairs and safety labels put on consumer goods by the U.S. government.

Tickets go on sale at 10 a.m. Friday, Feb. 27, and are \$17.50 and \$15. For more information, call the Community Arts Center box office at (717) 326-2424 or the NAC Omni line at (800) 432-9382.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, February 27
 "K. Jazz," film, noon, Kern lobby.
 "Brassed Off," film, 6, 8:15 and 10:15 p.m., 101 Chambers, through Feb. 28.
 "Nostalgia," 7 and 9:15 p.m., 112 Kern, through Feb. 28.
 River City Brass Band, 8 p.m., Eisenhower auditorium. For tickets, call (814) 863-0255.
 Founder's Day Ball, 8 p.m., The Nittany Lion Inn Ballroom. For tickets call (814) 863-3752.

Saturday, February 28

■ Jennifer Pawloski, gallery talk on "Religious Traditions in Non-Western Art," 11:30 a.m., Christoffers Lobby, Palmer Museum.
 ■ "Faces of America," play, 3 p.m., Schwab auditorium. For tickets, call (814) 865-1779.
 ■ "A Touch of Africa," dinner, show and dance, 6 p.m., The Bryce Jordan Center. For tickets, call (814) 865-1779.
 ■ Shakespeare's "Julius Caesar," 8 p.m., Eisenhower auditorium. For tickets, call (814) 863-0255.
 Sally Wilson and Philip Doucette, voice, graduate recital, 8 p.m., 122 Music II.

Sunday, March 1

■ The 24th Annual International Festival, food crafts, cultural displays, music and children's activities, 11 a.m. to 4:30 p.m., HUB.
 ■ "Bharatanatyam: South Indian Classical Dance," 1 p.m., Kern auditorium.
 Chamber Orchestra, 4 p.m., Recital Hall.
 Sara Hopkins, voice and Kim Reese, horn, 7 p.m., Recital Hall.
 ■ "Courageous Grocer vs. the Supermarket," play, 8 p.m., HUB Assembly Room, through March 2.

Monday, March 2

■ Aristophanes' "The Birds," 8 p.m., Eisenhower auditorium. For tickets, call (814) 863-0255.
 Susan Boardman, voice, 8 p.m., Recital Hall.
Tuesday, March 3
 Symphonic Band, Dennis Glocke, conductor, 8 p.m., Eisenhower auditorium. For tickets, call (814) 865-0431.
 Orieyama Linebarger, voice, 8:30 p.m., Eisenhower Chapel.

Wednesday, March 4

The Hetzel Union Center for the Arts and Crafts, open house, 6 p.m., 312 HUB.
 Dennis Mallatti, conductor, Penn State Concert Choir, Chamber Singers and University Choir, 8 p.m., Recital Hall.
Thursday, March 5
 Penn State Saxophone Choir, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.
 American Indian Dance Theatre, 8 p.m., Eisenhower auditorium. For tickets, call (814) 863-0255.

Saturday, March 7

Insect Monster Movies, 1 to 6 p.m. and 7 to 10 p.m., 101 Agricultural Sciences and Industries.
 Dana Louder, voice, graduate recital, 8 p.m., Recital Hall.
 Elks Club Hoop Shoot, The Nittany Lion Inn.

SEMINARS

Friday, February 27
 Bevan Gordon on "Informal Discussion on Curriculum Discourse," noon to 1 p.m., 201 Rackley.



Lunchtime entertainment

D. Douglas Miller conducts the Penn State Chamber Singers during a recent Bach's Lunch performance at the Helen Eskin Eisenhower Chapel on the University Park campus. Bach's Lunch concerts are scheduled for Thursdays at 12:10 p.m.

Photo: Greg Grieco

■ Greer Maneval on the international aspects of architecture and landscape architecture, 3 p.m., HUB Gallery Lounge.
 Jodi Vender on "Helping Students Keep in Touch with their World: The Life and Times of Janet Planet," 4 p.m., 206 Walker.
 John Stühr, author; Bruce Wilshire and Vincent Colapietro, panelists; and Rebecca Wayland, moderator; on "Genealogical Pragmatism: Philosophy, Experience and Community," 4 p.m., 124 Sparks.

Saturday, February 28

Joan M. Lakoski on "Medicines for the Mind," 11 a.m. to 12:30 p.m., Kern auditorium.

Monday, March 2

■ Andrew J. Herod on "The Geopolitics of Labor: Trade Union Housing Cooperatives and U.S. Foreign Policy in Latin America and the Caribbean," 12:15 p.m., Steidle Mineral Museum.
 Jennifer Raulhofer on "The Effectiveness of Undersized Sedimentation Basins: Evaluation and Demonstration," 12:20 p.m., 239 Agricultural Engineering.

Fu-Chun Zhang on "Metal-Insulator Transition in Optically Switchable Hydrides," 3:30 p.m., 339 Davey Laboratory.
 Dr. Lovell A. Jones on "Cancer, Ethnicity and Immigrant Action," 3:30 p.m., 110 Henderson.

■ Luis Sequeira on "Why Plant Pathologists Should Maintain an Active Role in International Agricultural Programs," 3:35 to 4:30 p.m., 112 Buckhout Laboratory.

Tuesday, March 3

Steven C. George on "Characterizing Nitric Oxide Exchange Dynamics in the Lungs," 10 a.m., 140 Fenske Laboratory.

■ Tuvia Abramson on "Being a Jewish Minority on Campus," noon to 1 p.m., 212 Eisenhower Chapel.

Jianming Li on "Steroids and Plant Development," 1:30 p.m., 8 Mueller Laboratory.
 Jianwei Oiu on "Resummation for Small p Inclusive Jet in DIS," 3:30 p.m., 339 Davey Laboratory.

Patrick Tso on "Apollonoprotein — An IV as a Safety Signal," 4 p.m., S-209 Henderson.
 Mimi Cazort on "The Anatomy of Eve," 7:30 p.m., Palmer Lipson Auditorium.

Wednesday, March 4

Bonnie Braun on "Land-Grant University Initiatives in Welfare Reform," 10 a.m., The Penn State.

■ Barbara Niemczyk on "After the Fall: Theater in Post-Soviet Russia," noon to 1 p.m., 316 Burrows.

Sandra Faulkner on "Women and AIDS," noon, 120 Boske.
 Stephen J. Halperin on "Cytosolic pH and Ca Levels in Sodium Chloride Treated Arabidopsis Root Hairs," 12:20 to 1:10 p.m., 106 Wartik Laboratory.

James H. Kane on "Intelligent Environments for the Learning (and Practice) of Engineering and Science," 3:35 p.m., 215 Hammond.

Hong Xie on "Are Discretionary Accruals Mispriced? A Reexamination," 3:45 p.m., 333 Beam Business Administration.

Paul P. Jovanis on "Facilitating Mobility of Travelers with Special Needs Using Intelligent Transportation Systems," 4 to 5 p.m., 110 Henderson.

■ Gary N. Koopers on "Images of David in Early Judaism and the Portrait of David as Repentant Sinner in Chronicles," 4:30 p.m., 102 Weaver.

Thursday, March 5

James Cuno on "The American Canvas: A Reply to the NEA," 11:30 a.m. to 1 p.m., The Nittany Lion Inn Ballroom. For tickets, call (814) 865-7590.

Chris Ulit on service learning, noon, 304 Rider II.

Robert T. Paine Jr. on "Expression Through Synthesis: From Molecules to Polymers to the Solid State," 12:15 p.m., S5 Osmond Laboratory.

Rainer Weiss on "Gravitational Waves Detection," 3:30 p.m., 101 Osmond Laboratory.

■ John Grenhan on "Evolution and Earth History: Biogeography at the Cutting Edge," 3:45 p.m., 112 Buckhout Laboratory.

W. Larry Kenney on "The Long Hot Summer: Probing Investigations of Aging, Heat, Health and Hormones," 7:30 p.m., 101 Kern.

Friday, March 6

Nancy Folbre on "Some Call it Capital: Altruism, Trust and the Production of Human Capabilities," 3:30 to 5 p.m., 124 Sparks.
 Teresa Cavazos on "Who Will Stop the Rain? Non-Linear Approaches to Extreme Precipitation," 4 p.m., 206 Walker.

CONFERENCES

Friday, February 27
 Dental Seminar, "The Nittany Lion Inn, through Feb. 28."

"The Outcomes Imperative: The Use and Impact of Data in Health Care," The Penn State, through Feb. 28.

Pennsylvania Taxidermist Association Inc., The Penn State, through March 1.

Murata Electronics, The Nittany Lion Inn.
Saturday, February 28
 National Ocean Sciences Bowl, The Penn State.

The Jessie Bernard/ASA Archives Symposium, The Nittany Lion Inn.

Monday, March 2

Kaufman's, The Nittany Lion Inn.

Tuesday, March 3

CIU 10 IDEA Training, The Penn State.
 NECEP Technician Training Programs, The Penn State.

Smith Barney Tax Relief, The Penn State.

Wednesday, March 4

Pa. Junior Science and Humanities '98, The Penn State.

Thursday, March 5

National Association of Teachers of Singing, The Nittany Lion Inn.

Seturday, March 7

Mosaic Temple, The Penn State.

Sunday, March 8

Market Pro Computer Show, The Penn State.

EXHIBITS

Computer Building

■ "Faces of Americas" by Javier Escudero, through March 5.

HUB Browning Gallery

■ Photographs of architecture of Germany by Gary Catchen, March 3 through April 5.

HUB Fornell Gallery

■ David Donnelly exhibits terra cotta plates, March 5 through April 25.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

Kern Exhibition Area

Photographs by Richard Manstield, through March 29.

Kern Telt and Flat Cases

■ Israeli jewelry and crafts by Tuvia Abramson, through March 29.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That Is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Rittenour Lobby

■ African masks by Kathleen Donovan, through March 5.

Waring Hall

Photographic works by Lisa Graves, through March 5.

Zoller Gallery

Undergraduate Juried Exhibition, through March 4.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>



Quality leaders featured

The Penn State Quality Conference will be held in The Penn State Conference Center Hotel on April 21-22. The conference precedes the Quality Expo held on April 21 in The Nittany Lion Inn. Leaders from several universities will present sessions at the conference.

Brent Ruben, professor and executive director, Office of Organizational Quality and Communication Improvement at Rutgers, will speak about the role of leadership in implementing quality. Maury Cotter, director, Office of Quality Improvement, University of Wisconsin-Madison, will discuss the systemic approach to quality and planning taken at Wisconsin. Jan Terrell, director of quality initiatives at the University of Central Florida, will present information about measuring and improving organizational environments.

David Ward, chancellor of the University of Wisconsin-Madison, will present the plenary address, "Advancing a Vision through Systemic Approaches." A panel consisting of John Brighton, University executive vice president and provost; Carolyn Woo, dean of Notre Dame's College of Business; and Susan Hillenmeyer, vice president for administration and planning, Belmont University, will respond to Ward's remarks. The panel will be moderated by David Wormley, dean of the College of Engineering, Penn State.

Penn State is well represented at the conference. Among the presenters are: John Cahir, vice provost and dean, and Howard Wray, associate dean, Undergraduate Education; Ron Johnson, instructor, and Linda Angell, assistant professor, Small College; Frederick Eisele, associate professor, College of Health and Human Development; Renata Engel, associate professor, College of Engineering; Frederick Loomis, director of administration, planning and information technology; Outreach and Cooperative Extension; Betty Roberts, assistant vice president, Business Services; Joseph Puzyski, director, Office of Judicial Affairs; and Doris Guanowsky, associate director for Ancillary Services, University Health Services.

For more information about the conference, visit the Web at <http://www.cde.psu.edu/cqi/qc98>, or call the Center for Quality and Planning at (814) 863-8721.

For more information about Continuous Quality Improvement, contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LE51@PSU.EDU or check out the center's Web site at <http://www.psu.edu/president/cqi>.

Faculty/Staff Alerts

Faculty needed for Elderhostel

Faculty members interested in developing and teaching Elderhostel courses during January and February 1999 are being sought by Outreach and Cooperative Extension's Conferences and Institutes Office.

Elderhostel is a non-profit educational organization that offers short-term academic experiences for people 55 and older. More than 1,900 colleges, universities, museums, state and national parks, environmental education centers and other educational institutions in all 50 states and Canada, and more than 52 countries conduct Elderhostel programs.

Faculty members have a variety of options for class structure. They may teach a single course or collaborate with others to present a multifaceted program. Conferences and Institutes handles marketing, event planning, meals, classroom support, registration, content guidance and social programming.

Anyone interested can contact Nancy McCord, conference planner, Conferences and Institutes, by phone, at (814) 863-1738 or by e-mail at nam5@cde.psu.edu.

Hard-to-manage kids? Here's help

Children, 7- to 10-years-old, and their mothers are needed for a study at the Child Study Center on the University Park campus. Parents whose children are hard to manage are especially encouraged to take part in the research being overseen by Keith Cmic, professor of psychology. Please note that counseling will not be provided, but referrals will be available upon request. Children will receive two small gifts, and mothers will receive \$15 for participating in this one-hour lab visit. Call the Emotional Development Lab at (814) 863-5671 if you are interested in participating.

Religious calendar is online

Occasionally students request exemptions from class attendance and other University obligations (or purposes of religious observance. A listing, compiled in consultation with campus and community religious leaders, can be found on the Web. It specifies those holy days of the major world religions for which observance may require a student to depart from the normal routine.

The address is <http://cac.psu.edu/jcub/relhol.html>. For those who cannot access the Web, a paper version is available from the Center for Ethics and Religious Affairs at University Park.

Take a virtual tour

Many Penn State students and their families get their first glimpse of University Park campus by taking the Lion Ambassadors' tour. Now the tour is available on-line at the Penn State Alumni Association's Web site, <http://www.alumni.psu.edu/>.

The on-line tour includes virtual-reality movies and narration by the Lion Ambassadors. Participants can go behind the scenes to see how the Creamery's ice cream is made, snoop through a typical dorm room or visit the Nittany Lion Shrine, among many other stops. The tour also includes cameos by campus celebrities, links to the historical markers tour and offbeat observations by students and staff.

Courses

Health Matters

To register for the following program offerings on the University Park campus, see your Health Matters brochure or contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ **Students in Distress: Guidelines for Faculty and Staff Interventions WEL 122**
Meets Friday, Feb. 27 from 8:30-11:30 a.m. in 319 Rider Building. Cost: None.

■ **The "Bright Side" to Sun WEL 127**
Learn the signs of skin cancer. Meets Friday, March 6, noon to 1 p.m. in 110 Henderson Building (The Living Center). Cost: None.

Proposals sought

Faculty and staff interested in collaborating with their colleagues at Penn State's key partner institutions in Australia and Ghana are asked to submit proposals for seed funding. Eligible partner institutions are the University of Melbourne, Australian National University at Canberra and the University of Ghana (or the University of Science and Technology, Kumasi, in conjunction with the University of Ghana). Three awards for each country in the range of \$8,000 to \$10,000 are anticipated.

This funding is being made available to encourage faculty and staff to build on existing relationships by developing integrated projects combining two or more of the following components: curricular initiatives, human resource development, research collaboration and capacity building.

Mechanisms to achieve proposal objectives may include, but are not limited to, short-term academic exchanges and distance education initiatives. Projects should be conceived so that the seed grant will be used toward leveraging external funding for a larger project with long-term sustainability entailing lasting benefits and/or positive institutional change at the participating universities. Inclusion of faculty who have not had any international education experience at Penn State is encouraged.

Proposal deadline is March 31, with a project implementation start date of July 1. To request applications, call Lillian Shyu, senior program officer, or Pam Gudeman at International Partnerships and Academic Linkages at (814) 865-0414.

Intercom schedule

Due to the spring break holiday, there will be no *Intercom* published on Thursday, March 12. Deadline for submissions to the March 19 *Intercom* is noon Wednesday, March 4. Copy to be included in *Intercom* should be e-mailed to lmr8@psu.edu or axm219@psu.edu.

The *Intercom* schedule for the remainder of the academic year follows:

Publication date	Copy deadline*
March 19	March 11
March 26	March 18
April 2	March 25
April 9	April 1
April 16	April 8
April 23	April 15
May 7	April 29
May 21	May 13
June 4	May 27
June 18	June 10
July 2	June 24
July 16	July 8
July 30	July 22
Aug. 13	Aug. 5

* All copy is due by noon on deadline day.



Hands-on training

There are some things you just can't learn by reading a textbook. Training horses falls into that category, so the College of Agricultural Sciences offers Animal Science 307, Horse Handling and Training.

The course, taught in the Agricultural Arena on the University Park campus by Brian Egan, extension assistant in the Department of Dairy and Animal Science, uses a controlled environment to educate students in the proper handling of horses.

On this day, Brooke Bakum persuades her horse to walk around in a circle, above. Other horses aren't always as cooperative, however, as seen at right.

Photos: Greg Grieco



■ OUTREACH Penn State offers training to Reading manufacturer

Through a "continuous performance improvement" training course, Penn State is helping Reading Alloys, a Robesonia-based manufacturer of high-quality alloys, develop ways to cut costs, use new technology, improve safety and create new products.

Already, one of the company teams involved in the course has proposed a reduction of downtime at shift changes that could save the company \$115,000. Mike Healy, human resources director at Reading Alloys, says that's just the kind of result his company is looking for.

"The company is not looking for that \$1 million solution," Healy said. "Rather, Reading Alloys is looking for smaller improvements over a longer period of time. These small improvements add up to significant savings and efficiencies for our company."

Reading Alloys employs 136 people from the Reading area. The training is being offered to the company by Penn State Berks and Penn State Lehigh Valley, with the support of Penn State Management Development Programs.

The program will run through May 1998 and train 10 "teams" of company employees. The training consists of five half-day programs — covering topics such as introduction to total quality, company-specific process concepts, team work/team building, problem solving, and data collection — offered by Mike Gerfin, an assistant professor of management development at Penn State York.

After the completion of the five training modules, the participating employees are divided into teams and given six weeks to produce a continuous improvement plan for a specific procedure or process at the company. Some plans call for further examination, some require a few changes, and others may be ready to implement immediately.

Healy said the training program is the most extensive ever offered at the firm and that each team presentation to date has been "exceptional." Working with Penn State on the project is the Manufacturer's Resource Center in Bethlehem.

"This is just one of the many examples of how Penn State supports Pennsylvania's workforce development initiative and the citizens of the Commonwealth," said James Ryan, vice president for outreach and cooperative extension.

Penn State reaches more than 5 million people a year through its programs in continuing education, distance education, cooperative extension and public broadcasting.

Planning guide a help to local businesses

More than 100,000 visitors are expected to attend events on the University Park campus in March and the University is helping local businesses be prepared.

The Office of University Relations now produces a monthly *Guide to Planning*, to give local businesses a heads-up on how many people are expected to attend which event. Drawing from calendars developed by The Bryce Jordan Center, University Athletics, The Center for Performing Arts and other arts events as well as lists of conferences, institutes and meetings scheduled at The Nittany Lion Inn and The Penn State Conference Center and Hotel, the calendar can help businesses target their services and advertising.

"It is our hope that this will help local businesses better

plan and prepare for the thousands of people who are in the area each month for University events," said Steve MacCarthy, executive director of University Relations.

Events this month include a meeting of the Pennsylvania Taxidermist Association, a production of "The Birds" by Aristophanes, seminars for dentists and, for children and adults alike, a performance of "Where the Wild Things Are" by the American Repertory Ballet. Perhaps the biggest draw next month in addition to basketball and wrestling is the Pennsylvania Sportsman Hunting and Fishing and Outdoor Show at The Bryce Jordan Center, which is expected to bring 32,000 visitors over three days, March 26 to 29.

To see the calendar and plan your visit, go to <http://www.psu.edu/ur> on the Web and follow the link.

Faculty Senate announces March 3 agenda

The University Faculty Senate will meet at 1:30 p.m. on March 3, in 112 Kern Graduate Building on the University Park campus. Items to be discussed include:

- Curriculum report of Feb. 21.
- Student membership on Senate (legislative).
- HR-21 — Definition of academic ranks (advisory/consultative).
- HR-60 — Access to personnel files (advisory/consultative).

■ Implementation of 1996 salary equity recommendations (advisory/consultative).

■ Student computer fee allocation, 1997-98 (informational).

■ The World Campus (informational).

■ HR-36 — Educational privileges for regular employees and other members of the University staff (advisory/consultative).

Members of the University community may attend. Any member of the University community who is not a member of the Senate may request the privilege of the floor on any item of business already before the Senate.

Such a request must be made to the chair, through the executive secretary of the Senate, at least four calendar days before the meeting at which the individual wishes to speak.

Appointments

Schreyer Honors College makes acting dean its permanent choice

Cheryl Achterberg, acting dean of The Schreyer Honors College and professor of nutrition, has been named dean of the college, pending approval from the Board of Trustees on March 20.

She is an award-winning teacher and researcher who has extended her expertise around the world through scholarship and public service. Achterberg received, among numerous other such recognitions, Penn State's Milton S. Eisenhower Award for Distinguished Teaching in 1995. The American Dietetic Association named her the Ruth M. Leveton Award winner in nutrition education in 1995. She has been principal investigator on numerous competitively funded research projects and has published more than 60 peer-reviewed papers, book chapters and monographs. She has been active in international service with the U.S. Agency for International Development and the United Nation's Food and Agriculture Organization, and has served on various national and international advisory boards, panels and workshops.

Achterberg has advised and supervised numerous graduate and honors students and has taught four different honors courses in the College of Health and Human Development. She is a graduate of California Polytechnic State University at San Luis Obispo and earned her Ph.D. at Cornell University. During the 1996-97 year, she served as a Fellow in the Committee on Institutional Cooperation Academic Leadership Program. The CIC is the academic consortium of the Big Ten universities plus the University of Chicago. She also was a University Administrative Fellow.

The Schreyer Honors College was established in September 1997 with a \$30 million gift from William and Joan Schreyer.

Materials Research Laboratory gains new center director

James H. Adair has been named director of the Particulate Materials Center in the Materials Research Laboratory. He succeeds Gary L. Messing. Adair also is an associate professor in ceramic science and engineering at Penn State. He comes to Penn State from the University of Florida, where he was a faculty member from 1990 to 1997.

Adair received a B.S. in chemistry, and M.S. and Ph.D. in materials science and engineering from the University of Florida. He was a Fulbright



CHERYL ACHTERBERG

Fellow at the University of Western Australia in 1981-82 and has held research positions at Battelle Columbus Laboratories and Penn State's MRL. He is the author or coauthor of more than 80 publications and has five patents.

Adair is a member of the American Chemistry Society, American Ceramic Society, Materials Research Society, International Society for Hybrid Microelectronics and the New York Academy of Science. He is chair-elect of the Basic Science Division of the American Ceramic Society. While at the University of Florida, he received several teaching awards and also was the recipient of an Inventor's Award from both Cabot and Battelle.

The Particulate Materials Center is a National Science Foundation industry/university cooperative research center serving the powder producing and processing industries.

Smeal College officially names director of MBA program

Rocki-Lee DeWitt has been named director of The Smeal College's MBA program. She had been serving in that role on an interim basis since July 1, 1997, and was officially appointed director this month.

DeWitt joined the Penn State business faculty in 1989 and is well known for her work in the classroom, having earned the MBA Excellence in Teaching Award for the past three consecutive years. In addition, she was honored with the MBA Achievement in Diversity Award both this year and last. She has had instrumental roles in the MBA Strategic Planning Task Force and the MBA Core Curriculum Redesign Task Force, and has served as MBA adviser for the management and general management concentration. Also teaching in the Smeal undergraduate and doctoral programs, DeWitt has served on numerous college-wide and Department of Management and Organization committees.

Before pursuing a career in higher education, DeWitt was national parts sales manager with International Harvester Co. for five years, overseeing annual sales of \$25 million.

She has published numerous articles on the subject of corporate downsizing and related topics. She also has made presentations before the Academy of Management and the Strategic Management Society.

DeWitt's current research projects include modes of corporate restructuring and senior managers' roles in implementing budget reductions. She has been a faculty associate with the Center for the Management of Technological and Organizational Change and the Institute for Organizational Effectiveness, two Smeal College research organizations.

She earned her bachelor's degree from New York University, her master's from The Ohio State University and her doctoral degree from Columbia University.



ROCKI-LEE DEWITT

Penn State Lehigh Valley welcomes student affairs coordinator

Suzanne K. Preston was recently hired at Penn State Lehigh Valley as the student affairs coordinator.

In this position, Preston will act as the adviser to the student government, coordinate student programming and orientation, and schedule cultural events. Additionally, she will coordinate housing locally and transfer housing for students leaving the campus.

She was previously employed for four years at Lehigh University as assistant dean of students, and earlier as the student activities coordinator. Additional experience includes coordinating Greek affairs at the Virginia Commonwealth University and acting as the assistant director of orientation at James Madison University.

Preston received her master's of education degree in counseling psychology from James Madison University and her bachelor of arts in speech communication from Radford University.



SUZANNE K. PRESTON

Development and Alumni Relations names regional development head

Susan Sutton has been named director of development for Penn State in the New York Region in the Division of Development and Alumni Relations. In this position, Sutton

will be responsible for planning and implementing fundraising programs in the metropolitan New York area, including southern Connecticut and northern New Jersey. This will be part of the University's forthcoming capital campaign, and she will report to Clay Edwards, director of the Office of Regional and University Programs. Her activities will include identifying potential major donors and soliciting gifts for all units within the University, and recruiting and training campaign volunteers for the regional committee.

A native of Colorado, Sutton earned her degree in political science from the University of Colorado. Her 17 years of experience with political fund raising, health care/research and national advocacy/membership organizations includes work in Colorado with the National Jewish Center for Immunology and Respiratory Medicine; work with Secretary of Energy Federico Pena; and work with Sen. Ben Nighthorse Campbell.

Sutton has also worked in Washington, D.C., as director of development for the Human Rights Campaign Fund; Handgun Control and the Center to Prevent Handgun Violence; and the National Alliance for the Mentally Ill.



SUSAN SUTTON



JAMES H. ADAIR

Appointments

Berks-Lehigh Valley names coordinator of learning centers

Penn State Berks-Lehigh Valley has named Anna Donahue as coordinator of the college's two Learning Centers: one at Berks in Reading and the other at Penn State Lehigh Valley in Fogelsville. The Learning Centers offer free tutorial services from professional and peer tutors to all Penn State students.

As coordinator of the Learning Centers, Donahue will plan, design, direct, implement and evaluate academic assistance programs. Her responsibilities include conducting study skills workshops, identifying instructional material, preparing annual budgets, serving as liaison with University Park offices of academic assistance, coordinating the delivery of all tutorial services and serving on both the academic affairs and the intervention committees.

Donahue, lecturer in English and study skills at Penn State Berks since 1982, also advises provisional students. In 1991, she received Penn State Berks' Part-Time Teaching Excellence Award.

Donahue holds a master's degree in French from Kutztown University and a bachelor's degree in French from St. Mary-of-the-Woods College in Terre Haute, Ind. She earned a teacher's certificate from Alvernia College and has studied at France's Université de Paris, the Institut Catholique de Paris and the Sorbonne.

Eberly College appoints director of Cooperative Education Program

Susan E. Knell has been named director of the Cooperative Education Program in the Eberly College of Science.

A Penn State graduate, Knell earned a bachelor of arts degree in English with an option in literature and a liberal arts minor in business in 1990, then instructional certification for secondary education in English in 1992. She now is working on a master's degree in counselor education with a concentration in college student personnel.

Knell joined Penn State as a staff assistant in 1995, became coordinator of student services in 1996, and program coordinator II in 1997. During her tenure, she has served as the staff adviser for the college Cooperative Education Student Association and as liaison among the co-op office, faculty coordinators and the University Office of International Programs. She also worked as a graduate intern in the Eberly College of Science Office of Science Diversity Initiatives.

Knell is a member of the Cooperative Education Association, the Pennsylvania Association of Internships and Cooperative Education, the National Society for Experiential Education, and the World Association of Cooperative Education.

Office for Disability Services welcomes new director

Deborah J. Merchant has been named director of the Office for Disability Services in the Office of the Vice Provost for Educational Equity.

As director, Merchant is responsible for overseeing all operations of the office including supervision of staff and collaboration with other units on campus. She also is responsible for job accommodations for faculty and staff with disabilities and serves as an advocate for students and employees with disabilities.

Before accepting her new position, Merchant was a graduate assistant at Penn State. Her activities in that role included conducting research with special education program faculty; serving as a teaching assistant for upper-level special education courses; and assisting the director of the Office for Disability Services with several projects.

From 1986-1994, Merchant was employed in the Aspire Program at Keene State College, Keene, N.H. One of her main responsibilities was coordinating services for students with disabilities.

She has published an article on self-advocacy components in programs for students with learning disabilities in the *Journal of Vocational Rehabilitation* and has given numerous presentations dealing with special education. Merchant also is a member of several professional organizations and is on the editorial board of the *Journal of Postsecondary Education and Disability*.

Merchant is pursuing her doctorate in special education from Penn State. She earned her bachelor's degree in special education and music in 1979, and her master's degree in counseling and consultation in 1986, both from Keene State College.

Professor of mining engineering is inaugural holder of Deike chair

Raja V. Ramani, professor of mining engineering, has been appointed as the inaugural holder of the George H. and Anne B. Deike Jr. chair in mining engineering in the College of Earth and Mineral Sciences. He currently serves as head of the Department of Mineral Engineering and director of the interdisciplinary Mineral Engineering-Mining program.

The Deike chair was endowed by the late Anne B. Deike, widow of George Deike Jr. and a supporter of Penn State and the college. The Deike family has been associated with the college since the turn of the century, when George Deike Sr., a 1902 mining engineering graduate, was one of the early students in the Penn State School of Mines. Both father and son served for many years on the Board of Trustees and took personal interest in the mining engineering program. In 1967, the Deike Building on the University Park campus was named for the family.

Ramani is a registered professional engineer and certified mine manager, with experience in

underground and surface mining in addition to his academic credentials. He holds a B.Sc. with honors from the Indian School of Mines, and M.S. degree and Ph.D. in mining engineering from Penn State.

He has been a member of the Penn State faculty since 1970 and department head since 1987. In the Department of Mineral Engineering he served as co-director of the Standard Oil Center for Excellence in Longwall Mining from 1983 to 1989, and has served as co-director of the Generic Mineral Technology Center for Respirable Dust since 1983, and the National Mined Land Reclamation Research Center since 1988.

He is author or co-author of about 200 papers and 125 reports on sponsored research. His work has brought wide recognition from professional organizations and he has received numerous national awards. He has been recognized by the college and the Pittsburgh Coal Mining Institute of America for his teaching accomplishments and also received a Japan Eminent Scientist Fellowship Award and a Fulbright Scholar Award to the Soviet Union.

Ramani has been a consultant and member of expert panels for the National Academy of Sciences, the U.S. Department of the Interior, the Department of Labor, the Department of Energy, the Department of Health and Human Services, the Department of State, and the United Nations. He has advised and consulted for mineral industries in China, Russia, Japan, Australia, South Africa, India, the Middle East and South America. In 1995, he served as president for the Society for Mining, Metallurgy and Exploration (SME).

Attending veterinarian joins Animal Resource Program

Robert Mason Smith has joined the University's Animal Resource Program (ARP), formerly the Laboratory Animal Resources Program, as attending veterinarian for agricultural animals and wildlife. Smith will provide support to the ARP, an intercollege research program in the office of the vice president for research, and to faculty and staff using animals in teaching and research activities.

Smith received dual bachelor of science degrees in zoology and veterinary science from the University of Illinois at Urbana. In 1980, he was awarded a doctor of veterinary medicine degree, also from the University of Illinois. He completed a Ph.D. in animal nutrition at Penn State in 1986. In the intervening years, he has been employed both privately and institutionally in the practice of veterinary medicine. Smith has achieved specialty certification in both veterinary and animal nutrition.

An important component of Smith's efforts at Penn State will be to assist the Institutional Animal Care and Use Committee in its responsibilities for animal care and use compliance with applicable laws and regulations. In this position, he will focus on the preparation and review of animal protocols, oversee animal health and welfare and assist in the provision of educational programs related to the care and use of agricultural and wildlife species in teaching and research activities.



DEBORAH J. MERCHANT



SUSAN E. KNELL



RAJA V. RAMANI



ROBERT MASON SMITH

University Health Services is once again accredited

University Health Services has again been awarded the certificate of accreditation by the Accreditation Association for Ambulatory Health Care Inc. (AAAHHC).

The award means that University Health Services has met nationally recognized standards for quality health care set by the Chicago-based accrediting organization.

In order to achieve accreditation, University Health Services underwent an intensive on-site survey of its facilities and services. The survey findings resulted in a favorable decision and a full three-year accreditation. University Health Services is one of only three college health services in Pennsylvania to be accredited by AAAHHC.

The AAAHHC conducts its accreditation program on a national basis and has accredited more than 500 ambulatory health care organizations. It is a private, non-governmental, not-for-profit organization. University Health Services was established in 1915. In 83 years it has grown from a staff of one physician and two nurses to a staff of more than 100 professionals. In addition to providing care for acute care needs, University Health Services offers specialty services such as laboratory, pharmacy, x-ray and physical therapy. It also offers an extensive selection of preventive health programs for students.

For more information on health services available at Penn State, access the Web at <http://www.psu.edu/UHS>.

Commission for Women banquet set for March 16

Celebrating the theme of "Women in Leadership," the Commission for Women will hold its 13th Annual Spring Banquet on Monday, March 16, at the Nittany Lion Inn on the University Park campus. Outstanding women and their achievements will be the focus of the evening, with an awards ceremony as part of the event. The public is invited to attend.

Lyne Goodstein, associate dean of the Graduate School and professor of administration of justice and women's studies, will be the speaker for the evening. The reception begins at 5 p.m. in the Atrium and Rotunda of the inn and dinner will follow at 6 p.m. For reservations, call (814) 863-7696. The cost of the evening is \$12 for students; \$20 for non-students; and \$300 for reserved tables. Child care is available, but preregistration is required by calling (814) 863-7696. The deadline for all reservations is March 6.

Private Giving

\$100,000 memorial lectureship will benefit Shenango

A \$100,000 memorial lectureship has been endowed at Penn State Shenango and the Shenango Valley Foundation in memory of the late Edward Walter Greenberger, who died in February 1997 at age 89.

The Greenberger family, including his wife, Louise, of Sharon, Pa.; Paul, president, Warehouse Sales, Youngstown, Ohio; Mark and Ellen Greenberger, Cincinnati, Ohio; and EDDE Products Co. Inc., which was founded by the Greenberger family,

have contributed to Penn State Shenango and the Shenango Valley Foundation in Sharon. The gift, in memory of their father and husband, will enable the campus to bring renowned speakers to the Shenango Valley.

The Shenango Valley Foundation, established in 1981 to encourage philanthropy throughout the valley, supports 28 individual funds and continues to grow. Each year the income, generated from more than \$13 million

in assets, is given out to many different charities according to the donors' wishes.

Edward Greenberger was born and reared in Farrell, Pa. After graduation from Farrell High School in 1925, Greenberger, with his brothers, went into the retail business selling replacement automobile parts at more than 40 small stores which they owned throughout eastern Ohio and western Pennsylvania. In 1928, EDDE Products Co. Inc. was founded.

In 1947, he began a wholesale-type business in the Shenango Valley and sold hundreds of items to customers at reduced prices.

In 1972, his son, Paul, came into the business. Greenberger continued to work every day until his death.

A lectureship committee, made up of members of the Greenberger family and staff at the Shenango campus, will look at bringing renowned business and motivational speakers to the campus.



The neck bone's connected to ...

Craig Cangili examines a human skull in his Bio 29 lab, taught by James Strauss, instructor of biology at University Park. Students in this human anatomy class must be able to identify all the bones in the human body.

Photo: Greg Grieco

Promotions

Staff

Lois J. Anderson, staff assistant VI in Applied Research Laboratory.

Corinna S. Anskis, staff assistant VI in Continuing and Distance Education.

Richard R. Auhl, laboratory supervisor in College of Engineering.

Jennifer A. Coslo, staff assistant VI in Division of Development and Alumni Relations.

Sean P. Costella, manager, information systems in Housing and Food Services.

Susan J. Croyle, administrative assistant IV in College of Engineering.

Mary Jo Depp, regional director in College of Agricultural Sciences.

Linda M. Duerr, director, child care programs in College of Health and Human Development.

Rose M. Ennis, staff assistant VI in Student Affairs.

Robert A. Fantaske, coordinator, management engineering in Office of Human Resources.

Tamara B. Fetterolf, staff assistant VII in College of Education.

Heather L. Fox, technician-researcher at The Hershey Medical Center.

Justin N. Geiger, senior research technologist in College of Agricultural Sciences.

Gary C. Gentzel, senior system programmer in Computer and Information Systems-Center for Academic Computing.

Gary P. Grant, coordinator, student computer laboratory at Penn State Altoona.

Catherine V. Gray, ticket manager at The Bryce Jordan Center.

Anne P. Greco, police services officer in University Safety.

Mary E. Haldeman, technician-researcher at The Hershey Medical Center.

Melanie R. Hall, staff assistant V in College of Earth and Mineral Sciences.

Lorraine L. Hazel, network and systems analyst in Student Affairs.

Jody M. Heckman, assistant-budget analyst in Office of Budget and Resource Analysis.

Sandra L. Hinish, staff assistant IX in Applied Research Laboratory.

Carla A. Holway, director, graduate programs at Penn State Great Valley.

Georgia A. Homan, editorial assistant in Intercollege Research Programs.

Jolie D. Hoover, staff assistant VII in Business Services.

Andrew M. Houser, conference utility supervisor at The Nittany Lion Inn.

Michael A. Iezzi, staff assistant V at Penn State Delaware County.

Ann D. Ironside, staff assistant VI in Corporate Controller's Office.

Cynthia D. Janesch, associate director in Division of Development and Alumni Relations.

Kelley S. King, senior support and training analyst in Corporate Controller's Office.

Christine J. Kitchen, lead systems analyst in Computer and Information Systems-Administrative Systems.

Confederate nationalism underrated in Civil War

By PAUL A. BLAUM
Public Information

The South lost the Civil War because it lost the key battles, not because of a lack of will or because it collapsed under the weight of class, gender and racial tensions, according to a Penn State historian in a new book.

"Scholars today often say that class, gender and racial divisions within Southern society doomed attempts to sustain military resistance to the North," said Gary W. Gallagher, professor of history and author of *The Confederate War: How Popular Will, Nationalism and Military Strategy Could Not Save Off Defeat*, published by Harvard University Press. His analysis involved the study of 300 letters and diaries from people in the armies and on the home front.

"The question to be asked is not why the Confederacy fell so soon, but why it held out so long. The answer is: Confederate nationalism was strong enough to mobilize widespread support for the war despite the presence of internal differences," Gallagher said.

"Common sense should play more of a role in historical evaluation than it often does," Gallagher said. "To be able to wage war, the Confederacy was willing to sacrifice hundreds of thousands of its young men and suffer the destruction of its economy. In terms of military casualties, Confederates sacrificed far more than any other generation of white Americans in U.S. history. Yet the South still fought. This would suggest broad popular support for the war."

This is not to say that every Southerner agreed with secession. The upper South, including Virginia, did not want to secede from the Union and only did so after Lincoln called for 75,000 volunteers after the fall of Fort Sumter, Gallagher said.

Southern nationalism existed before the war and



Research by Gary W. Gallagher, professor of history, points to a high level of Confederate nationalism during the Civil War.

Photo: Greg Grieco

was converted into Confederate nationalism as large Northern armies invaded the South, devastating the country and killing Confederate soldiers, he said.

Many Southerners were unhappy with the Confederate government, the draft and the shortage of supplies due to the war effort. Most Southerners, however, including nonslaveholders, were loyal to the Confederacy and were willing to endure these hardships.

"Many, if not most, Southerners viewed their struggle as identical with that of the colonies during the American Revolution," Gallagher said. "They honestly believed they had a right to secede from what they perceived as a despotic central government bent on destroying the institution of slavery. They knew that the early Republic had slaves and that the Constitution at that time protected slavery."

Many Northerners were likewise moved by a staunch nationalism that

some today would find incomprehensible. Preserving the Union was important to them because they had grown up reading the rhetoric of Daniel Webster and other political theorists. Northerners accepted their view that America was the great democratic experiment in a world still mostly ruled by authoritarian governments. Thus, it had to be defended if world democracy were to survive.

"Even at that, massive draft riots took place in New York City and other places, and Northern soldiers deserted in significant numbers," Gallagher said. "There was probably less resistance to the draft in the South."

For Confederates, the main symbols for the war came to be Robert E. Lee and the Army of Northern Virginia. Lee commanded only a part of total Confederate forces, yet when he surrendered at Appomattox Court House in April 1865, Southerners accepted the

war as a lost cause.

"Lee was a model for the South because he won battles and won them the way Southerners liked to see battles won, by being aggressive, striking hard, taking the offensive into Northern territory," Gallagher said.

"Furthermore, Lee was a model of how white Southerners liked to see themselves," he said. "He had a substantial ego and liked the competition and excitement of war, but at the same time he was devoutly Christian and humble and gentlemanly in manner. The chief reason for his popularity, however, was his ability to win battles."

"Would a victorious South have freed the slaves anyway?"

"No one can answer that question, but this we know: For most of the Civil War, apart from a few conspicuous exceptions, blacks served Confederate armies only in noncombatant roles such as laborers and wagon-drivers. Toward the end, however, the Confederate Congress authorized the enrollment of black soldiers into the Confederate army and a tiny number did actually train, though they never saw combat," Gallagher said.

Lee urged that blacks be allowed into the Confederate army and that those who served be given their freedom. The Confederate Congress hedged about the liberation part.

"Ironically, while the Northern army was rigidly segregated, toward the close of the war, white and black Confederate soldiers drilled together in Richmond," Gallagher said.

"The Civil War itself changed to some degree the institution of slavery," he said. "Most young Southern men were off fighting the war and left management of slaves to women and old men. This resulted in a loosening of control over slaves. Slavery in the South would almost certainly not have been the same after the Civil War."

News from the American Association for the Advancement of Science

Editor's note: The complete stories, plus other news from the annual meeting of the American Association for the Advancement of Science, are available on the Web at <http://www.psu.edu/jur>

Researcher updates artificial heart research

Fifteen years after the much-publicized artificial heart implants of the early 1980s, artificial heart technology is quietly moving into widespread clinical use. Two large efforts are under way to produce a total artificial heart that is designed to replace a person's natural heart.

The College of Medicine in Hershey, with 3M Health Care in Ann Arbor, Mich., and Abiomed in Danvers, Mass., with the Texas Heart Institute in Houston, Texas, are working on long-term heart replacement devices under a National Heart Lung and Blood Institute contract program. The devices are expected to undergo additional tests in animals later this year and could be tested in humans within five years.

Alan Snyder, senior research associate in the College of Medicine, said developing a working artificial heart was much more difficult than the medical community thought in the 1960s. Snyder has worked on the project for more than 20 years.

How does your city grow?

Microclimates caused by urbanization might not have much influence on regional climate, but they do impact local livability, according to meteorologists.

Urban planners need a way to predict the growth of cities and assess changing microclimates, and the researchers have developed a computer model they hope will help.

Toby N. Carlson, professor of meteorology, said the model will help urban planners predict the kinds of land use and the microclimates that will form in a given location.

The model was developed by Keith Clarke at the University of California, Santa Barbara, but the researchers are applying it to the Philadelphia metropolitan area and southeastern Pennsylvania.

An animation of the transitions from 1987 to 2050 can be found at <http://www.psu.edu/~dajr/chester/index.htm>



Paterno named honorary chair

For the third consecutive year, Penn State football Coach Joe Paterno will serve as honorary chairman for the Pennsylvania Special Olympics Hall of Fame induction. The event will take place Thursday, March 26, in Philadelphia.

Assistant men's golf coach named

Grant Robbins has been named men's golf coaching assistant, becoming the first full-time assistant under head coach Greg Nye. Robbins played golf at the University of Memphis, where he lettered from 1991-94, was a three-time All-Great Midwest Conference selection and recipient of the Jake Foundren Scholarship. Following his collegiate career, he played two years of professional golf on the North Florida PGA, Tommy Armour and Tour America Professional Golf tours.

Coach of the Year

Penn State football strength and conditioning coach John Thomas was honored recently as the 1997 National Collegiate Strength and Conditioning Coach of the Year. Thomas was honored by the Professional Strength and Conditioning Coaches Society.

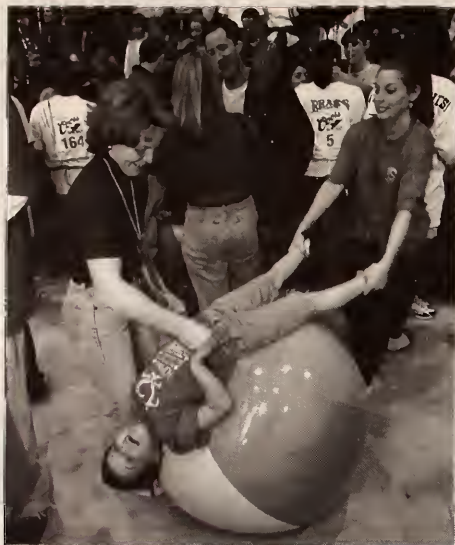
Briefly speaking ...

Penn State has played 111 seasons of intercollegiate football and owns a 715-299-42 record. Joe Paterno has been head coach for 378 games, earning a 298-77-3 record. Paterno ranks sixth on the all-time NCAA Division I-A games coached list and has earned more 10-win seasons than any other major college coach. As the nation's leading active coach in victories, Paterno is entering his 49th year as a member of Penn State's coaching staff.

For the Record

Due to a source error, a front page Intercom story on Feb. 5 identified The Smeal College as being the first college at Penn State to use electronic testing. Electronic testing was reportedly being used by the College of Education years before Smeal tested its latest electronic exam.

Dance, Dance, Dance



Matthew Gaston (above), with some help from his mother Gloria (right) and student Marci Kress, is having a ball at the 26th annual Dance Marathon, held Feb. 20-22 on the University Park campus. The 'THON' raised more than \$2 million, breaking last year's record of about \$1.5 million. The money raised by the dancers goes to the Four Diamonds Fund at The Hershey Medical Center. Donations this year include a gift of \$4,100 from the Office of Physical Plant. The money was generated by the sale of metal cans recycled on campus. To date, OPP special event recycling efforts have resulted in 247 tons of recycled materials, earning \$36,618 for charitable causes.

At left 'THON' captains lead the crowd in a line dance.

Photos: Greg Grieco

Construction to begin soon for initial phase of Knowledge Park

State education Secretary Eugene W. Hickock visited Penn State Erie on Feb. 17 to hand over a \$600,000 Opportunity Grant that will help develop a 200-acre research and development industrial park on that campus. The grant, given to the Greater Erie Industrial Development Corp. (GEIDC), is administered by the Department of Community and Economic Development and provides money to companies to retain or create jobs.

"Knowledge Park is an excellent example of higher education and the business community collaborating to prepare a highly skilled, 21st-century workforce and attracting new high-tech companies to northwestern Pennsylvania," Hickock said during ceremonies at Erie. "This partnership will prepare students for high-paying jobs in Pennsylvania's new economy."

Under plans unveiled recently, the Knowledge Park will provide the Erie region with a unique environment in which high-tech research, development and advanced manufacturing companies will emerge by combining existing business resources with the educational technology and research capabilities at Penn State Erie.

The announcement of the grant allows site development to begin within four to six weeks. Construction is expected to begin within two months. The initial phase of construction will include the installation of water and sewer lines and distribution systems within the first \$6 acres of the park; a two-lane divided parkway for vehicle access; and a 56,000-square-foot building.

Carl Carlotti, vice chairman of GEIDC, the park, said negotiations are continuing with four firms to occupy the first three buildings that will be constructed. Companies under consideration are restricted to prototype light manufacturing for research and development purposes. More than 60 percent of the buildings will be devoted to office space.

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LD4487
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p37



Group works for well-being of children, youth and families

By ANNEMARIE MOUNTZ
Public Information

The University has found yet another way to make life better. With the formation of the Children, Youth and Family Consortium, Penn State is working to further enhance the quality of life of those groups through its teaching, research and outreach programs.

The consortium steering group, which is co-chaired by Mark Greenberg, professor of human development and family studies and Bennett Chair of prevention research, and Karen Bierman, professor of psychology, brings together faculty and administrators from several colleges and departments across the University.

"We want to address factors that promote children, youth and family well-being," said Greenberg. "This intercollege collaboration with col-

See "Consortium" on page 6

Research Park signs new tenant

In a joint announcement Friday, Allegheny Hyperion Telecommunications and Penn State revealed that a \$10 million fiber optic network is now under construction that will boost the University's national leadership in telecommunications and information technology, provide expanded services, lower rates for other area businesses and add a new tenant for the Penn State Research Park on the University Park campus by next fall.

The state-of-the-art fiber optic net-

See "Fiber optics" on page 3



Newshound

The newly instituted Residence Hall Newspaper Readership Program has given students like Greg Iocco, an economics major shown above, easier access to national and local newspapers. In a recent survey, program participants said the availability of newspapers has increased their knowledge of current events and improved their education.

Photo: Greg Iocco

Newspaper program adding to Penn State educational experience

By KAREN I. WAGNER
Public Information

Well into the second semester of Penn State's innovative Residence Hall Newspaper Readership Program, a majority of student survey respondents say they are making newspaper readership a habit.

Seventy-three percent of the students surveyed said they are reading a newspaper on a regular basis. Forty-five percent said that reading a newspaper has improved

the overall quality of their education at Penn State — almost double the number reported in a survey last year during a small pilot readership project at the University. The survey was administered by Penn State's Student Affairs Research and Assessment Office.

According to students, the availability of newspapers in the residence halls led them to more informed opinions about national issues and a greater awareness of issues in the University and surrounding communities. Fifty-five

See "Newspaper" on page 3

Inside



Take Our Daughters to Work Day

Mark your calendars for April 23 — that's national "Take Our Daughters to Work Day." For more information on the event, please see page 12.



Raining cats and dogs?

Blame El Nino. It seems everyone is watching this atmospheric phenomenon that has been reeking havoc weatherwise across the globe. For information on how Penn State researchers are monitoring El Nino, please turn to page 15.

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Elsewhere in Higher Education

The following information was gleaned from the internal publications of the institutions mentioned.

■ The board of trustees of the University of Illinois recently reviewed the results of a statewide image survey that one trustee said indicated the university was "like plain vanilla." The study found that "though the University of Illinois is generally regarded favorably, it does not earn the kind of rave reviews that would indicate that its standing among the public is superior, solid and secure." The state of Illinois is also home to Northwestern University and Illinois State.

The survey, conducted through focus groups and via telephone by an outside firm, also said the average citizen's "knowledge, understanding and appreciation of the university's strengths and contributions tend to be vague and uninformed." Although respondents believe that UI plays the most important role in the state in conducting research, Northwestern edged UI when the questions focused on who provides the best quality of education overall and who attracts the most talented students.

The University of Illinois has three campuses across the state.

■ A tuition increase of 4.5 percent is in the offing next year for students at Johns Hopkins University, the lowest percentage hike since 1989-90. The \$980 increase will take the university's tuition to \$22,680. Tuition

for med-students is up 5 percent to \$25,800. Also at Johns Hopkins, the Initiative Campaign, with a goal of raising \$900 million, has reached \$854 million. The money will be used for everything from advanced research in urology to construction projects to funding endowed chairs.

■ A \$6.5 million grant from the Patrick and Catherine Weldon Donaghue Medical Research Foundation to Yale's School of Medicine will be used to advance research on women's health.

■ The University of Wisconsin Medical Foundation, formed in 1996 to support the UW Medical School, has merged with Physicians Plus Medical Group, a community-based health care system. The merger creates a new medical model for the region bringing together 800 physicians and 60 clinics in southern Wisconsin. The 800 physicians will have full-time faculty appointments at the UW Medical School. The merger was achieved when the University of Washington Medical Foundation acquired the group's stock for \$8 million.

■ The University of Pennsylvania has approved a resolution that requires all graduate groups at the university to prepare written guidelines clarifying the criteria that should be used to determine authorship credit in faculty-student collaborations.

■ The Campaign for Athletic Excellence at Northwestern has raised \$23.6 million in just two years — exceeding its \$20 million goal. The campaign was initiated to raise money to renovate the stadium, construct an indoor practice facility and build new locker rooms for several sports. The university is continuing to sell the remaining priority seats in the new stadium. As of December, all of the 252 box seats (at \$4,000 to \$6,000 a seat) were sold; 217 of the 252 seats (at \$10,000 a seat) in the Wildcat Den were sold; and 143 of the 318 seats (at \$25,000 a seat) in the Stadium Club were taken.



Here's looking at you

Bailey Klinefelter, a freshman in forest science, looks at a cicada through a magnifying glass as part of a hands-on program offered by the Department of Entomology on the University Park campus. The department is offering a variety of public programs throughout the academic year to help people learn more about insects. Upcoming programs in the "Catch the Bug" series include "Insect Monster Movies," afternoon and evening feature films, on Saturday, March 7, from 1-6 p.m. and 7-10 p.m., in 101 Agricultural Sciences and Industries Building; "Six-Legged Stationery," an activity where participants can make their own hand-made bug stamps inspired by Penn State Frost Entomological Museum specimens, from 10 a.m. to noon Saturday, April 4, in rooms 102 and 108, Headhouse III; "Aquatic Adventure," to explore the world of stream insects, from 10 a.m. to noon Saturday, May 9, at Millbrook Marsh; and "Wildlife Nightlife," an evening of listening to romantic insect songs and tales about nighttime insects, on Wednesday, June 17, from 7-10 p.m. at Wind Ridge Farm and research site. For more information on these programs and others later in the summer, call the entomology department at (814) 865-1895.

Photo: Greg Grieco

Promotions

Staff

Joseph M. Leluga, senior microcomputer system consultant in Computer and Information Systems-Center for Academic Computing.

Raymond W. Liddick, coordinator, administrative support systems in Office of Vice President for Research.

Ann T. Luck, instructional designer in Computer and Information Systems-Center for Academic Computing.

Eston C. Martz, executive editor in College of Agricultural Sciences.

Sandra A. Martz, installation security specialist in Computer and Information Systems-Center for Academic Computing.

James B. McGinley, senior network coordinator in Computer and Information Systems-Telecommunications.

Marylou B. McMurtrie, assistant journals manager in Intercollege Research Programs.

Cynthia K. Myers, staff assistant VI in College of the Liberal Arts.

Jeanne M. Nadenicek, staff assistant VI in Student Affairs.

Carol J. Nadzom, staff assistant VII in Continuing and Distance Education.

Tracy R. Noll, ticket manager II in College of Arts and Architecture.

Rolando Ortega, library assistant, APG team in University Libraries.

John E. Park, associate director, management development in Continuing and Distance Education.

Linda C. Plonzer, data retrieval specialist in Division of Development and Alumni Relations.

Melissa A. Price, computer support specialist in College of the Liberal Arts.

Cathy R. Riember, applications designer/developer in Eberly College of Science.

Jacqueline M. Ritzko, instructional designer at Penn State Hazleton.

Fiber optics

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work will be used to offer a wide variety of high-quality, lower-cost telecommunications services to central Pennsylvania users. Allegheny Hyperion Telecommunications, LLC., a joint venture announced last December between Allegheny Energy Inc. and Hyperion Telecommunications Inc., is investing more than \$10 million to bring central Pennsylvania these services, which will be available to area business consumers this fall.

At a press conference Feb. 27, University President Graham B. Spanier said Allegheny Hyperion Telecommunications' development of the new fiber optic network and the sophisticated new telecommunications services are good news for the University and the community.

"This offers Penn State new opportunities that our faculty and students will quickly take advantage of and it also offers us potential for significant cost savings," Spanier said.

Penn State has taken a leadership role in developing the next generation of advanced information technology, the Internet 2. Penn State is one of more than 100 U.S. universities working to develop the new, superfast, national computer network that is expected to be faster and provide better distance learning capabilities, video conferencing and online research.

"With more than 1.7 million e-mail messages a day transmitted here at Penn State, more than 38,000 computers directly attached to Penn State's network, and tens of thousands of computers in faculty, staff and student residences off campus that are connected indirectly via modem, it is critical that Penn State has access to the most advanced telecommunications services possible," Spanier said. "This new initiative by Allegheny Hyperion will give us that access and has the added benefit of enabling businesses and individuals throughout central Pennsylvania to take similar advantage of these exciting new telecommunications services."

The network Allegheny Hyperion Telecommunications is building will enable business consumers in the State College and Altoona areas to take advantage of new telecommunications services, including high-capacity dedicated telecommunications services between business and commercial locations; services connecting business locations with long-distance carriers; and local telephone service.

Allegheny Hyperion combines fiber optics with advanced Synchronous Optical Network (SONET) equipment to provide better performance, reliability and cost advantages over the conventional copper



Going up

The multi-tenant building, under construction at Penn State's Research Park, is part of Phase 2 of the park and should be ready for occupancy soon. Six tenants, including Allegheny Hyperion and TeleBeam Inc. — two telecommunications firms — will set up shop in the structure. The other firms expected to occupy this building are The Drucker Co., Lomic Inc., Manpower Inc. of Altoona, MuluMetrix Inc. and Urish Popeck and Co.

Photo: Greg Grieco

technologies. This advanced technology also provides greater capacity than copper technologies and the potential to offer new, innovative services at competitive prices.

Allegheny Hyperion Telecommunications selected the State College and Altoona markets for its network because of the many benefits an advanced telecommunications infrastructure could bring to the region.

"Telecommunications services are critical to the success of businesses today," said Richard J. Gagliardi, vice president, Allegheny Energy. "Having access to innovative telecommunications services will give businesses in the region the technological tools they need to remain competitive with businesses across the state and the country."

"For many years as Allegheny Power, we have provided reliable, low-cost energy to the State College area. Now we have an opportunity through our partnership with Hyperion to extend our commitment," Gagliardi said.

According to Dan Milliard, president of Hyperion, "Business consumers will be able to select from an array of sophisticated telecommunications services that will contribute to their success as well as to the overall economic viability of the region."

In addition, Allegheny Hyperion Telecommunications will lease 8,000 square feet of office space in Penn

State's Research Park that is currently under construction. Plans call for the building to be ready for occupancy by September 1998.

Doing business as Allegheny Power, Allegheny Energy's regulated subsidiaries — Monongahela Power Co., The Potomac Edison Co. and West Penn Power Co. — provide electric service to 1.4 million customers throughout a 29,000-square-mile service territory in Maryland, Ohio, Pennsylvania, Virginia and West Virginia. Allegheny Energy is partnering through its non-regulated affiliate, Allegheny Communications Connect Inc., with Hyperion Telecommunications to provide competitive telecommunications services.

Hyperion Telecommunications is the telecommunications subsidiary of Adelphia Communications Corp., with headquarters in Coudersport, Pa. Adelphia is the nation's seventh largest cable TV company with more than 1.9 million subscribers in 13 eastern states. Hyperion presently operates 18 telecommunications networks throughout the country, including Syracuse Buffalo, N.Y.; the state of Vermont; Harrisburg, York and Philadelphia, Pa.; Richmond and Charlottesville, Va.; Jacksonville, Fla.; Nashville, Tenn.; Louisville and Lexington, Ky.; Central, N.J.; Wichita, Kas.; Little Rock, Ark.; Baton Rouge, La.; and Jackson, Miss.

Newspaper

continued from page 1

percent cited an improved ability to discuss current events and 45 percent said newspaper readership helped them to participate in class discussions.

One-fifth of the students had instructors who required them to read a newspaper for class, while 65 percent said their instructors referred to news articles during class discussions and presentations.

"The importance of faculty role modeling can't be underestimated," said Betty Moore, senior research analyst. "It's what sets the tone for students. Students need to learn how to use the newspaper."

As part of the survey, women said that entertainment was the section they read most often, while men favored sports. Both male and female students listed campus/local news as the second most-read read section. Students whose self-reported grade point averages were 3.3 or above, were more likely to read the editorial/opinion, campus/local or national/international sections of the paper.

Residence hall newspaper readership was launched at Penn State last fall when copies of *The New York Times*, *USA Today* and the *Centre Daily Times*, a Centre County paper, were made available, in addition to the student newspaper, to 17,000 students at the University Park campus. At Penn State's eight other residential locations, students started reading nearly 2,000 copies of *The New York Times*,

USA Today and seven other local papers from around Pennsylvania. The idea to begin the program came from a suggestion first made by University President Graham B. Spanier last winter.

"It is critical that college students have an understanding of the world where they will live, have jobs and raise families," said Spanier. "Reading a daily newspaper helps you gain that understanding."

Students seem to agree.

"We'll, the newspapers do keep me from becoming isolated to the happenings of the outside world," said freshman George Caruso. "Especially while I am away from home... and away from my informed parents."

Other students said:

— "The convenience of having newspapers in the dormitory propa-

gates a feeling of global community."

— "I probably wouldn't read the newspapers if they weren't readily available. But, since they are, I get caught up in all the news. When we discuss current issues in class, I am able to participate in discussion and contribute more. I'm more aware of current events and especially things going on at Penn State that I wouldn't have known about otherwise."

One other interesting result turned up through the survey: students with higher grades tend to recycle newspapers more often. As part of the Newspaper in the Residence Hall Program the University put in place a very successful newspaper recycling program that students are participating in at a much higher rate than expected.

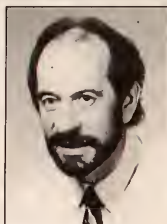
LECTURES

Locomotion is topic of March 24 lecture

Peter R. Cavanagh, director of Penn State's Center for Locomotion Studies (CELOS), will present the Pauline Schmitt Russell Distinguished Research Career Lecture of the College of Health and Human Development at 4 p.m. Tuesday, March 24, in 101 Kern Graduate Center on the University Park campus. His topic will be "Locomotion on Earth and in Space: A Biomechanical Journey." The lecture is open to the public and a reception will follow.

Cavanagh, who is distinguished professor of kinesiology, orthopedics and rehabilitation, medicine and behavioral health, is recognized for his extensive research in the mechanics of the foot and lower extremity in a variety of contexts. Principal among these are running mechanics and footwear, the foot in diabetes, falls in the elderly, and the loss of bone mineral during space flight. Cavanagh also was instrumental in the opening of two diabetes foot clinics, one in Centre County and one in Hershey.

In his multimedia presentation, Cavanagh will review some of the research he has conducted over the years. This will range from his earliest work on muscle mechanics and



PETER R. CAVANAGH

athletic footwear to the recent studies that he and his colleagues at CELOS have conducted on a zero-gravity treadmill to be used by NASA on the international space station.

Cavanagh received his Ph.D. in 1972 in Human Biomechanics from the University of London's Royal Free Medical School. He

is the author of several books and more than 100 professional papers. He has numerous professional affiliations and is a Fellow of the American College of Sports Medicine and an honorary member of the American Foot and Ankle Orthopaedic Society.

He has served as president of the International Society of Biomechanics and the American Society of Biomechanics and is currently chair of the American Diabetes Association Council on Foot Care. He has received a number of honors and last year received the College of Health and Human Development's Pauline Schmitt Russell Distinguished Research Career Award which honors a senior faculty member who has made outstanding research contributions to the field across a major portion of his or her career.

More madness planned March 19 in Department of Architecture

John Belle, a founding partner in the New York City architectural firm Beyer, Blinder, Belle, will be the featured speaker at the Department of Architecture's Thursday Night Madness series at 8 p.m. on March 19, in 112 Walker Building, University Park. The lecture is a rescheduling of the lecture originally scheduled last semester.

Beyer, Blinder, Belle was named the American Institute of Architects' Firm of the Year for 1995. Belle has lectured extensively on urban design and historic preservation at colleges and universities around the world.

In 1997, Belle received the Metropolitan Historic Structure Association's Apple Award. He has overseen numerous restoration and adaptive

reuse projects, including work on New York's Grand Central Terminal and the Ellis Island National Monument.

Belle's lecture, "What's New in Old New York: Reinventing the City for the 21st Century," will discuss redundant use of existing buildings in the 21st century. Participants will learn about creative new uses for historic sites in New York City and other large, urban areas in America.

Sponsored by the Department of Architecture, the Thursday Night Madness series is a weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews to students, faculty, staff and interested lay people. The lecture is free to the public.

International business to be discussed March 6

The Penn State Shenango Future Executive Society will continue its Business Lecture Series on Friday, March 6, with guest speaker F. John Frangakis, president and chief executive officer of Reynolds Services in Greenville, who will discuss aspects of international business.

The Future Executive Society is a Penn State Shenango organization made up of traditional and non-traditional students interested in business and the local community.

For more information, call (724) 983-2951.

Australian ambassador to speak March 16

Andrew Peacock, Australian ambassador to the United States, will offer a seminar on "Australia's Influence on the United States: General Propositions and Personal Experiences," at 3:45 p.m. Monday, March 16, in Eisenhower Chapel Lounge on the University Park campus.

Peacock was a member of the Australian Parliament for 28 years, for many years served as Australia's foreign minister and twice was Leader of the Opposition. For more information, call Patricia Corbett at (814) 863-1603 or contact by e-mail at pac9@psu.edu.

The seminar, sponsored by Penn State's Australia-New Zealand Studies Center, is free.

Panel to discuss the importance of humor March 19

An interactive panel discussion on humor will be held at 7 p.m. Thursday, March 19, in the Multipurpose Room, Multipurpose Activities Center at Penn State Mont Alto. Five panel members will discuss the importance of humor and the effect it has on our lives.

Jerry Zollen, a retired stand-up comedian who now teaches communication at Penn State Altoona, will discuss the importance of humor throughout one's life. The Rev. Joe Carolin, South Mountain Restoration Center chaplain, will explore the spiritual side of humor. George Payette, retired director of academic affairs, Penn State Mont Alto, will review humor in everyday situations and circumstances. Alice Royer, instructor of women's studies and English, Penn State Mont Alto, will discuss women's translation of humor. The panel will be facilitated by James Hamilton, assistant professor of speech communication, Penn State Mont Alto.

All Penn State Mont Alto theme programs are free to the public. For information on this event, call Alice Royer at (717) 749-6234.

"Killing Fields" subject of talk at Worthington Scranton

Cambodian holocaust survivor and *New York Times* photojournalist Dith Pran will speak at Penn State Worthington Scranton at 7 p.m. Tuesday, March 24. Pran's wartime life was portrayed in the award-winning movie "The Killing Fields." Sponsored by the campus Public Affairs Club, the lecture is free. For more information, call (717) 963-2700.

Events planned for Brain Awareness Week March 13-20

The Milton S. Hershey Medical Center and the Susquehanna Valley Chapter of the Society for Neuroscience will participate in the national observation of Brain Awareness Week, March 13-20, by offering several free programs and lectures to the community.

The goal of Brain Awareness Week is to notify the community of research progress that may help the 50 million Americans who have permanent, neurological disabilities limiting their daily activities.

Activities planned for the week include:

■ Friday, March 13, 1-2 p.m.: Joan Lakoski, associate professor of pharmacology; James Connor, professor of neuroscience and anatomy; and Louise Hitchcock, CEO, Alzheimer's Disease and Related Disorders Association, South Central PA Chapter, on "Aging, Memory and Alzheimer's Disease." This lecture will be held in the Mohler Senior Center on Cherry Drive in Hershey. The public may attend.

■ Wednesday, March 18, 12-1 p.m.: Robert Vannucci, professor of pediatrics, on "Perinatal Hypoxic-Ischemic Brain Damage," in the hospital auditorium.

■ Friday, March 20, 12-1 p.m.: Ellen Hess, assistant professor of neuroscience and anatomy; James Connor, professor of neuroscience and anatomy; Robert J. Milner, professor and chair of neuroscience and anatomy; and Joan Lakoski, associate professor of pharmacology, on "Current Events in Brain Research: From Genes to Alzheimer's Disease." The location for the lecture is the Program at Harrisburg Centers, Penn State University, 234 North Third Street. The public may attend.

■ Friday, March 20, 9:30 a.m.-1:25 p.m.: Khristy Manges-Thompson, Brandy Fureman, Stanley Hulet and Robert Wheeler, graduate assistants in the neuroscience program, for a hands-on demonstration of brain function and structure at the Hershey Middle School.

For additional information concerning Brain Awareness Week or the scheduled lectures, please contact Linda Flickinger at (717) 531-8650.

More Lectures

Keep up with latest trends in publishing

Published and aspiring authors can learn how to keep up with the latest publishing trends, enhance their writing skills and turn their part-time writing into a full-time career at the second annual romance and fiction writing conference "A Passionate Journey: From Moonlighting to Full-Time Profession," March 28-29 at The Penn State Conference Center Hotel, University Park.

This year's conference features some of today's best-selling romance and fiction writers, including Ginny Aiken, Millie Criswell, Rainy Kirkland and Stephanie Mittman. For the second year, Lock Haven native Sandra Hill, author of the soon-to-be-released novel *The Last Viking*, will be a presenter at the conference. The keynote speaker will be Merline Lovelace, a former U.S. Air Force officer turned romance writer who has more than 3 million books in print and a new series of mainstream military thrillers.

Throughout the conference, attendees will have the opportunity to hear successful writers and agents discuss topics ranging from plot development and screenplay adaptation, to what to do after the first book, creating a realistic criminal investigation and how to succeed in today's publishing market. Attendees also will have the chance to schedule appointments with literary agents and editors.

Individuals unable to attend the entire conference will have the opportunity to meet the authors at an autograph party Saturday, March 28, from 6:30-8 p.m. at The Nittany Lion Inn.

For more information about program content or the autograph party, call Lisa Lyles, conference planner, at (814) 863-1738 or ConferenceInfo2@cde.psu.edu. For registration information or to request a brochure, call (800) PSU-TODAY (778-8632), or visit the Web at <http://www.cde.psu.edu/C&I/PassionateJourney/>.

Faculty/Staff Alerts

Youth swim

A youth swim program for children ages 4-11 will be offered by the American Red Cross at the McCoy Natatorium on the University Park campus from March 16 through April 9 on various days and at various times for all skill levels. Cost is \$60 per person. For information contact Nancy Graham at the Natatorium at (814) 865-1432. To register, contact Kris Catalano from continuing education at (814) 863-0685.

Radio show focuses on impact of media

Charles Bierbauer, the senior Washington correspondent for CNN, and David Jones, the former assistant managing editor of *The New York Times*, will join President Graham B. Spanier as phone guests to discuss the impact of the media on American life on the next edition of "To the Best of My Knowledge," airing 7 p.m. Tuesday, March 17, on WPSU-FM (90.1, 91.5 & 106.7).

Many accuse both print and broadcast journalists of abandoning "serious" news in favor of celebrity gossip, exposes and sensationalistic murder trials. Others complain that reporters have made people fearful of running for elective office because it will attract media attention to their past lives.

Offering an academic's perspective on these issues will be Robert D. Richards, professor-in-charge of the journalism program at Penn State, who will be Spanier's studio guest on the upcoming broadcast. Listeners with concerns about the kind of news they are getting are encouraged to join Spanier and his guests by calling (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at www.psu.edu/ur/tech/tech.html; and they will be able to contact the president during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of local and national concern and to allow listeners a chance to communicate directly with Penn State's president.

Asthma screening

If you or your child suffer from a chronic cough, especially at night, difficulty breathing, instances where your chest starts to get tight or hurts, wheezing or breathing faster than normal, you may have undiagnosed asthma. Although asthma is not curable, its symptoms can be controlled. In an effort to help reduce asthma deaths and hospitalizations among children and adults in southcentral Pennsylvania, Penn State Geisinger, The Milton S. Hershey Medical Center and The American Lung Association are sponsoring a free asthma screening clinic on Saturday, March 21, from 8:30 a.m.-noon at the Hamilton Health Center, 1650 Walnut Street, Harrisburg.

The screening will include a pulmonary function test as well as the opportunity to meet with a physician to learn more about how to control asthma. Appointments should be made by calling the American Lung Association at (717) 541-LUNG (541-5864). Appointments will be scheduled on a first-come, first-served basis.

Pennsylvania Career Day

College and University students, alumni and employers are invited to attend the eighth annual Pennsylvania Career Day on Thursday, April 2, from 10 a.m. to 4 p.m., in The Bryce Jordan Center on the University Park campus.

Students and alumni from all Penn State locations will have the opportunity to meet representatives from 150 companies and organizations. A diverse group of employers, including local health care facilities, state government agencies, educational institutions, retailers, manufacturers, businesses and non-profit agencies will participate.

Employers will be accepting resumes for both current and projected openings; conducting on-site interviews for full-time and part-time positions, internships, co-ops and summer employment; and providing information about employment opportunities within specific career fields. Students and alumni from all academic disciplines and all degree levels



Fleeting beauty

This abstract snow sculpture was built outside Irvin Hall on the University Park campus Feb. 24, when the area received a foot of wet snow. The artwork didn't last long, though — temperatures rose into the 50s the next day, and by the end of the week much of the snow had melted. Photo: Greg Grieco

are encouraged to participate. Attendees should dress professionally and bring several copies of their resume.

Pennsylvania Career Day is coordinated by Penn State's Career Development and Placement Services.

Help is available

To combat the fear and isolation that can accompany any type of illness, The Milton S. Hershey Medical Center offers support groups for many different situations and experiences its patients and families encounter. If you or a family member are interested in joining a support group, or obtaining information about the various groups at the medical center, contact Glenda Trumpower at (717) 531-6317.

Iron-deficient subjects needed

Most lab tests of iron status are affected by presence of infection and/or inflammation. Recently, a new lab test called transferrin receptor was developed and shown to be a more specific and sensitive test for diagnosing iron deficiency. This lab test is not affected by either infection or inflammation. The transferrin receptor is especially important in detecting iron deficiency in the elderly population, where iron status assessment is often confounded by the presence of inflammatory disease. However, certain identifying aspects for iron deficiency in the elderly are not known and a nutrition department study, being conducted by Naman Ahluwalia and Gordon Handte, clinical director, University Health Services, is under way to help determine some of these identifiers. Researchers are recruiting subjects 20-40 years old and 60-80 years old. If you or someone you know is iron deficient or has recently been prescribed to take iron pills, please share this information with them for potential participation. Should you choose to participate, your involvement will include:

- providing a brief medical history;
- keeping a detailed record of what you eat and drink for three days; and
- providing a blood sample (one tablespoon) Ritenour Health Clinic, University Park.

Participants will receive free cholesterol screening and results on other lab tests of general iron health; a diet analysis for adequacy of iron and other nutrients; and \$15.

Anyone interested should contact Cindy or Deanna at (814) 865-2786. All information is confidential.

Consortium

continued from page 1

leagues from all University locations will make that possible."

The consortium plans to examine successful programs already in place and use them as a springboard for related initiatives.

"We want to hear from faculty whose teaching, research, outreach or service is related to our goals," said Bierman. "Their input is crucial if we are to be successful."

Interested faculty should send e-mail to the consortium at cyf@psu.edu. E-mails should include the faculty member's name, campus, department and phone number, along with any suggestions, comments or other information for the consortium steering group.

"The future of our nation will be deeply influenced by the health and social well-being of our children, youth and families," said President Graham B. Spanier. "With the formation of this consortium, Penn State is carrying out its land-grant mission to enhance the quality of life for the people of our communities."

The consortium is charged with:

- Identifying and reviewing current activities in the general area of children, youth and family.
- Identifying faculty members in this field to be part of the consortium.
- Reviewing new and potential initiatives for external funding.
- Reviewing current undergraduate programs, graduate course offerings and graduate enrollments in this field.
- Preparing and presenting a plan to the University Planning Council and the president for advancing children, youth and family initiatives.

A number of the University's initiatives are

"(The consortium) will work to promote interdisciplinary activities and the integration of education, research and service, including the outreach activities already in place."

John Brighton,
 executive vice president and provost

aimed at pre-college students. Penn State Abington has a partnership with the Abington School District, now in its third year, that has helped design a technology training curriculum for the school district faculty. Penn State Erie has a Link-to-Learn grant, providing assistance for K-12 students in the area.

Penn State Berks and Penn State Lehigh Valley administer after-school homework centers for the Pottstown School District and are assisting the district in submission of a grant proposal to the U.S. Department of Education for such centers. And the College of Education has committed itself, through the Penn State Educational Partnership Program, to a statewide collaborative effort that involves early intervention programming, parental academic empowerment and teacher preparation and renewal.

In addition, Ann Crouter and Susan McHale, faculty members in human development and family studies, are collaborating in the Penn State Family Relationship Research Project, a longitudinal study funded by the National Institutes of Health which looks at the way pressures that parents experience on the job and in their marriage affect their relationships with their children's social growth and well-being.

"The consortium hopes to build upon these and other successful programs and construct a framework for ongoing collaborative relationships with the communities we serve," said John A. Brighton, executive vice president and provost, who worked with Spanier to form the consortium. "It will work to promote interdisciplinary activities and the integration of education, research and service, including the outreach activities already in place."

Other members of the steering group are: Theodore R. Alter, associate vice president for outreach and director of Cooperative Extension; Eunice M. Askov, head, Department of Adult Education, Instructional Systems and Workforce Education and Development; David P. Baker, professor of education and sociology; Leann L. Birch, head, Department of Human Development and Family Studies; Alan Booth, professor of sociology and human development; Dr. Chris Carey, vice chair, Department of Obstetrics and Gynecology, Penn State Geisinger Health System; Connie A. Flanagan, associate professor of agriculture and extension education; William A. Henk, director, School of Behavioral Science and Education, Penn State Harrisburg; Lynn S. Liben, head and professor, Department of Psychology; Daniel T. Lichter, professor of sociology and director, Population Research Institute; Dr. Ronald Poland, chair, Department of Pediatrics, Penn State Geisinger Health System; Robert E. Rains, professor of law, Dickinson School of Law; Lynne Vernon-Feagans, associate dean for research and professor of human development; Helen S. Wright, professor of nutrition; and Edgar P. Yoder, professor and interim head, Department of Agricultural and Extension Education.

Penn State McKeesport celebrates its 50th anniversary

"A Campus for All Seasons" is the theme of Penn State McKeesport's Golden Anniversary celebration with events planned throughout the year to coincide with the motif.

Committee members are developing a special display of photos, newspaper clippings, yearbooks and other memorabilia depicting the campus' growth.

When the McKeesport Center was established in 1948, its primary mission was to provide occupational training classes for World War II veterans. Through the interest and enterprise of a small group of community businessmen headed by Milton F. Frable in 1955, the advisory board was formed and became instrumental in founding the present-day campus.

Today, Penn State McKeesport serves nearly 1,000 students in associate, baccalaureate and graduate programs and is one of six Science and Technology Centers among University locations. In April the Student Government Association will include a special celebration during Spring Fling week, and in August the Alumni Society will host a fete tied with orientation activities. Plans have not been finalized for those two events.

The yearlong festivities will culminate Oct. 23 with a gala dinner-dance at the Outhogheny Country Club.



Happy birthday

Penn State McKeesport is planning events throughout the year to celebrate its golden anniversary.



A day of learning

Paula Stania, off-set duplicator operator in the College of the Liberal Arts, left, listens attentively as Susan Cromwell, human resources development associate, leads a seminar on how to build a resume. The seminar was part of the Commission for Women's fourth annual Technical Service Workshop on the University Park campus. The free, daylong workshop featured panel discussions and open forums designed to help participants explore non-traditional occupations, learn resume skills and develop strategies for balancing work and personal life.



Photo: Greg Grieco

New at Penn State

Minor gives students needed leadership skills

For students in the College of Engineering's Engineering Leadership Development minor, it's not just another day in the classroom.

Students have the unique opportunity not only to learn about leadership, but also to enhance those leadership skills further through a student organization that's structured like a corporation.

That "corporation" became Engineering Leadership Development Unlimited (ELDU), an organization recognized by the University's Undergraduate Student Government in spring 1997. ELDU, which serves as the extracurricular component to the minor, focuses on promoting and nurturing the program. Although students in the minor are not required to participate in ELDU, about half the students take an active role in the organization. The idea for the minor developed from talks between the electrical engineering department and the Leonhard Center for the Enhancement of Engineering Education, with some input from industry, said Larry Burton, head of the department.

"The program is intended to give students those non-technical attributes needed for leadership in industry that aren't in the normal curriculum," Burton said. About 50 students are enrolled in the minor and the program's first four students graduated at the end of the fall 1997 semester.

"There is no text and the program tries to teach engineering students, who are used to thinking in terms of black and white and right and wrong, that the real world doesn't work that way. In addition, the minor allows students to explore topics not usually included in engineering curricula, such as entrepreneurship, leadership styles and development, public policy and ethics.

Job recruiters said that the minor could give Penn State's engineering students an advantage when employers are recruiting.

Courses

Health Matters

To register for the following program offerings on the University Park campus, please see your *Health Matters* brochure or contact Jan Hawbaker at (814) 865-3085 or JQH3@psu.edu.

■ Know Your Numbers (KYN)

Your college/work unit can offer an on-site KYN program for faculty and staff. To receive more information on how your work unit can offer the KYN program (University Park campus only), please contact John H. Loughrey III at 865-3085 or JHL113@psu.edu.

■ The 'Bright Side' to Sun — WEL 127

Want to learn more on skin cancer prevention? Meets Friday, March 6, from noon-1 p.m., 110 Henderson Building (The Living Center) No cost.

■ Home Products (part of the non-toxic home series) — WEL 139

Learn how to select safe home products, while finding out how to use plants as natural air purifiers and how some home furnishings, such as wall-to-wall carpeting and particleboard may be adversely affecting your health. Meets Monday, March 16, noon-1 p.m., 110 Henderson Building (The Living Center). Cost: \$5 for each class or \$15 for the entire series.

■ Weight Watchers at Work — WEL 018

Section 3 meets on Tuesdays beginning March 17 through May 19, from noon-1 p.m., 520 Rider Building. Section 4 meets on Wednesdays beginning March 18 through May 20, noon-1 p.m., Paul Robeson Cultural Center. Cost: \$115 per 10-week session. HealthAmerica HMO reimbursement.

■ Culinary Hearts Kitchen — WEL 025

In this hands-on program, learn how to cut fat, cholesterol and calories from your family's meals without sacrificing taste and appearance. Explore new ways to plan and shop. Meets Wednesdays March 18-April 22, from 4:30-6:30 p.m., room 7 Henderson Building. Cost: \$50. HealthAmerica HMO reimbursement.

■ Meditation — WEL 113

Each session includes tips for achieving optimal health, followed by a weekly guided visualization and meditation. Meets Thursdays, March 19-April 30, from noon-1 p.m., 110 Henderson Building (The Living Center). Cost: \$35. HealthAmerica HMO reimbursement.

■ Simple Living — WEL 131

This session teaches about simple living and how it can improve your well-being in today's fast-paced American lifestyle. Meets Friday March 20, from noon-1 p.m., 110 Henderson Building (The Living Center). No cost.

Bookshelf

James Levin, senior coordinator for the Division of Undergraduate Studies programs, is co-author of the textbook *Meteorology*, published by WCB/McGraw-Hill. His co-authors are Eric W. Danielson, associate dean of Hartford College for Women, University of Hartford, and Elliot Abrams, senior vice president with AccuWeather Inc.

Going beyond rote learning, the three authors engage introductory

students in scientific methodology employing a whole range of skills and procedures to form and test a hypothesis. Taking a non-traditional approach to teaching, the authors seek to attract non-majors into meteorology by answering the questions they ask, rather than merely presenting facts, analyzing canned data and asking for factual recall.

Developed in five units, this comprehensive text poses a com-

monly asked question at the beginning of each unit. That question is then answered throughout carefully developed chapters—supported by scientific observations and reasoning, and with real-time AccuWeather data. This approach helps introductory students understand the reasons for everyday meteorological occurrences, as well as tornadoes, hurricanes, global warming and ozone depletion.

The book includes concept maps which provide a flowchart of scientific reasoning, or relationships between concepts. These visual references help clarify the "big picture."

At the end of every chapter, students will find a summary with key words, review exercises, problems and Resource Links (references to additional readings and relevant meteorological links on the Web).

ARTS & ENTERTAINMENT

AT PENN STATE



Coming this summer

Cirque Ingenieux will perform at 8 pm Thursday, March 19, in Eisenhower Auditorium on the University Park campus. For tickets or more information call the Arts Ticket Center at (814) 863-0255 or toll-free (800) 278-7849.

"Crafts in Context"

The Freyberger Gallery at Penn State Berks will exhibit "Crafts in Context" from Monday, March 16, to Thursday, April 16.

"Crafts in Context" is an exhibition of fine regional crafts presented in contextual setting. This free exhibition features primarily ceramic artists from Southeast Pennsylvania.

A reception will be held in the Freyberger Gallery from 1 to 3 p.m. Sunday, March 22. For more information and details about group visits, call Beverly Leviner at (610) 396-6099.

Paintings exhibition

"Paintings from a Secluded Garden: Watercolors and Pastels," an exhibition by Rodrica Tilley, will be on display in Penn State Worthington Scranton's Study Learning Center from March 19 through April 28. An artist's reception, which is open to the public,

will be held from 2 to 4 p.m. Sunday, March 29.

Bach's Lunch

The Penn State Concert Choir, a choir of 60 mixed voices, will sing at the Bach's Lunch concert at 12:10 p.m. Thursday, March 19, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Douglas Miller, professor of music, will conduct, assisted by Dennis Malfatti, graduate conducting major.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge, in the Eisenhower Chapel. Coffee and tea will be provided.

Cirque Ingenieux

The Center for Performing Arts presents Cirque Ingenieux at 8 pm Thursday, March 19, in Eisenhower Auditorium on the University Park campus.

Combining the artistry and magic of the circus with the rich European "cirque" tradition, Cirque Ingenieux gives birth to an entirely new genre of theatrical experience that includes a trapeze artist, contortionists, gymnasts and aerial acts set to a musical score by composer and musician Kitaro, a Golden Globe winner and Grammy nominee.

Tickets are \$25, \$21 and \$18 for general admission; \$21, \$17 and \$14 for students; and \$17, \$15 and \$13 for children 12 and younger. For tickets or more information call the Arts Ticket Center at (814) 863-0255 or toll-free (800) 278-7849.

Spring concert

The Penn State International Dance Ensemble will celebrate its 20th Anniversary Spring Concert at 7:30 p.m. Saturday, April 18, in Eisenhower Auditorium on the University Park campus. The dance ensemble is under the direction of Elizabeth Hanley, associate professor of kinesiology.

The 35-member ensemble of dancers, singers and musicians will showcase a variety of world cultures in the two-hour concert.

The concert is open to the public and ticket information is available from the Arts Ticket Center at (814) 863-0255 or Hanley at (814) 863-3467. The Penn State International Dance Ensemble is sponsored by the Department of Kinesiology in the College of Health and Human Development.

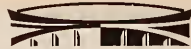
At the conclusion of the 20th Anniversary Concert, Professor Hanley will retire from her position as director in order to pursue Olympic-related professional interests. Anyone within the University community interested in succeeding Hanley should contact her at (814) 863-3467.

Exhibitions continue

The Palmer Museum's 25th Anniversary celebration continues with three exhibitions running through the spring semester. Part of the eight-month celebration of the Palmer's long presence on the University Park campus, the exhibitions feature many works given to the museum over the years.

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints" is on display in the Special Exhibition Gallery I on the first floor of the Palmer Museum. Featuring prints from the permanent collection made primarily since World War II, this special anniversary exhibition highlights a selection of donations to the museum, including many serigraphs and lithographs. The exhibit will run through Sunday, June 14.

Running concurrently, "American Printmakers, 1920 to 1945" is in the American Works on Paper Gallery on the museum's second floor. A number of prints by leading early 20th-century American artists have come to the museum as gifts over the past 25 years. This exhibition, too, runs through Sunday, June 14.



BRYCE JORDAN CENTER

Steve Miller coming

The Steve Miller Band will appear at The Bryce Jordan Center at 7:30 p.m. Saturday, April 4. Tickets are \$22 and \$17.75 for reserved seating.

The band is asking its audience to e-mail suggestions to the band's Web site for set lists, special concert events, guest artists, and favorite concert titles. To participate, log in to <http://www.stevemillerband.com/>

Monster Jam

The U.S. Hot Rod Monster Jam will appear at The Bryce Jordan Center at 8 p.m. Saturday, March 21, and 2 p.m. Sunday, March 22. Tickets are \$15 for reserved seating. Children 12 and under are \$5.

Upcoming events

■ March 25: Lord of the Dance, 8 p.m. Tickets: \$39.50 and \$28.50.

■ March 26-29: Pennsylvania Sportsman Hunting, Fishing and Outdoor Show; 5 p.m. to 9 p.m. March 26; 10 a.m. to 9 p.m. March 27 and 28; and 10 a.m. to 5 p.m. March 29. Tickets: \$5, adults; children 12 and under free. For tickets, call (814) 863-1000.

■ March 31 and April 1: Sesame Street Live "Let's Play School," 7 p.m. March 31; 10 a.m. and 7 p.m. April 1. Tickets \$15.50, \$13.50 and \$11.50, adults; \$15.50, \$12 and \$10, children.

■ April 8: Bolshoi, 7:30 p.m. Tickets: \$5 and \$25.

■ April 22: Hank Aaron, Distinguished Speaker Series presentation, 8 p.m., free admission.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

"All That Is Glorious Around Us: Paintings from the Hudson River School," is on display in the Special Exhibition Gallery II on the second floor of the Palmer Museum. This majestic exhibition is a selection of more than 60, 19th-century American landscape paintings from a private collection. This is a rare opportunity to view the magnificence of the Hudson River Valley, Adirondack, Catskill, White and Blue Ridge mountains, Niagara Falls and several other more distant venues, as seen through the eyes of the masters of American landscape. The exhibition runs through Sunday, May 17.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Saturday, March 7
Insect Monster Movies, 1 to 6 p.m. and 7 to 10 p.m., 101 Agricultural Sciences and Industries.
Dana Louder, voice, graduate recital, 8 p.m., Recital Hall.
Elks Club Hoop Shoot, The Nittany Lion Inn.
Dan, March 17
Tues. C. Armstrong, percussion, faculty recital, 8 p.m., Recital Hall.
Scholarship competition, Recital Hall, through March 19.
Thursday, March 19
■ Cirque Ingenieux, 8 p.m., Eisenhower auditorium. For tickets, call (814) 863-0255.
Penn State Concert Choir, 12:10 p.m., Eisenhower Chapel.

SEMINARS

Friday, March 6
Nancy Folbre on "Who Cares: Thoughts on Economic Rights and Wrongs" 3:30 to 5 p.m., 124 Sparks.
Teresa Cavazos on "Who Will Stop the Rain? Non-Linear Approaches to Extreme Precipitation," 4 p.m., 206 Walker.
Tuesday, March 10
David Meyer on a subject to be announced, 2 p.m., 339 Davey Laboratory.
Monday, March 16
James F. Podlesny on "The Ethics of Cloning," noon to 1 p.m., 212 Eisenhower Chapel.
■ Joni K. Seager on "What's Gender Got to Do With It? Feminist Perspective in Environmental Analysis," 12:15 to 2 p.m., Earth and Mineral Sciences Museum Gallery, Steidle.
Dennis Buffington, Robert Graves and David Wagner on "Goals, Ambitions and Aspirations of Program Activities," 12:20 p.m., 239 Agricultural Engineering.
■ Ami Dykman on "The Hebrew Language and Israel's 50th Anniversary," 12:40 to 1:20 p.m., 101 Kern.
■ Philip Northover on "Canola Production and Management of Lepidoptera maculans (Desm.) C. & de Not. on the Canadian Prairies," 3:35 p.m. to 4:30 p.m., 112 Buckhout Laboratory.
■ Andrew Peacock on "Australia's Influence on the United States: General Propositions and Personal Experience," 3:45 p.m., Eisenhower Chapel Lounge.

Tuesday, March 17
Alan MacEachern on "Interactive Visualization for Exploring Spatio-Temporal Health Data: Developing and Assessing Methods," noon to 1 p.m., 406 Oswald.
Joni Seager on "Sex, Lies and Statistics: Mapping the Global State of Women," 4 p.m., 112 Kern.

Wednesday, March 18
Oleg Lyseha on "Carrying the Fox Across Snow: The Collaborative Translation," noon to 1 p.m., 316 Burrows.
John Skillman on "Ozone Effects on Wild Grape under Contrasting Light Environments," 12:20 to 1:10 p.m., 106 Wartik Laboratory.
Christopher Hoppel and Jerome Tzeng on "Ordinance Applications of Composite Materials," 3:35 p.m., 215 Hammond.
Xiao-Jun Zhang on "Conservative Accounting and Equity Valuation," 3:45 p.m., 333 Beam Business Administration.
Kimberly S. Van Haltsma on "Enhancing Quality of Life for Nursing Home Residents with Dementia: Program Evaluation and Implementation," 4 to 5 p.m., 110 Henderson.
John Haag, author of *Stones Don't Float: New and Selected Poems*, 7:30 p.m., 305 IB.

Thursday, March 19
Franz Hillenkamp on "MALDI Mass Spectrometry: Great Applications But Little Understanding," 12:15 p.m., S5 Osmond Laboratory.
Virginia Valian on "Parameter-Setting and Cognitive Development," 7:30 p.m., 109 Osmond Laboratory.
John Belle on "What's New in Old New York: Reinventing the City for the 21st Century," 8 p.m., 112 Walker.

CONFERENCES

Saturday, March 7
Masonic Temple, The Penn Stater.
Sunday, March 8
Market Pro Computer Show, The Penn Stater.
Tuesday, March 10
Mutual Insurance Co., The Nittany Lion Inn.
Pa. Bar County Bar Leaders, The Nittany Lion Inn.
Pa. State Education Association, The Nittany Lion Inn.
NECEPT Technician Training Programs, The Penn Stater.
Thursday, March 12
Padgett Thompson Better Managing AP, The Penn Stater.
Monday, March 16
Practical Justice-1998 Technology, The Penn Stater.



Spring concert

The Penn State International Dance Ensemble will perform its Spring Concert at 7:30 p.m. Saturday, April 18, in Eisenhower Auditorium, University Park. For ticket information, call (814) 863-0255.

Central Pa. American Chemical Society, The Nittany Lion Inn.
Commission for Women, The Nittany Lion Inn.

Thursday, March 17
Pa. Association of School Administrators, The Penn Stater.

Wednesday, March 18
HACCP Training for Cider Producers, The Nittany Lion Inn, through March 19.

"Bargaining for High Performance Workplace," The Penn Stater.

Thursday, March 19
Central Intermediate Unit 10, The Penn Stater.
Pa. School Counselors Association, The Penn Stater.
Total Quality Council of Central Pa., The Nittany Lion Inn.

EXHIBITS

■ **HUB Browning Gallery**
Photographs of architecture in Germany by Gary Catchen, through April 5.

■ **HUB Formal Gallery**
David Donlign exhibits terra cotta plates, through April 25.

■ **HUB Sculpture Corner**
"Peace Talks," by William Engle, through May 21.

Kern Exhibition Area

Photographs by Richard Mansfield, through March 29.

Kern Tell and Fleet Cases

■ Israeli jewelry and crafts by Tuvia Abramson, through March 29.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary

"Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That Is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Waring Hall Multi Purpose Room

Simon Bray exhibits his acrylic works, March 17 through April 29.

Zoller Gallery

M.F.A. Exhibition by Bryce Tugwell, March 16 through March 25

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, log to the Web at URL <http://cac.psu.edu/calendar/>

Center joins the College of Education

For nearly 30 years, the Center for the Study of Higher Education has provided policy research and analytical leadership on issues central to the Commonwealth, other state governments, national organizations and associations, and the federal government. At the beginning of this year, the center — formerly an Intercollege Research Program — became part of the College of Education.

Patrick Terenzini, the center's interim director, said the Center for the Study of Higher Education is widely recognized as one of the top two or three campus-based research centers in postsecondary education in the nation. The center's research is concentrated in four areas: postsecondary teaching and learning; minority student access and retention; higher education faculty; and higher education organization and administration.

In its early years, researchers at the center helped shape policy decisions relating to public funding for higher education in the Commonwealth; collective bargaining; and the University's former Commonwealth Educational System. More recently, the center was home to the National Center on Postsecondary Teaching, Learning and Assessment, a five-year, \$5.9 million research and development initiative funded by the U.S. Department of Education. The Center for the Study of Higher Education and the National Center on Postsecondary Teaching, Learning and Assessment, the only federally supported national center devoted specifically to post secondary education, are major contributors to national debates about curriculum revision, faculty workload and rewards, restructuring academic and student affairs, and the assessment of educational learning outcomes.

The center's current research projects include an evaluation of a seven-member, National Science Foundation-sponsored coalition of engineering colleges (including Penn State).

The center's professional staff currently includes four faculty members with joint appointments in the college's Department of Education Policy Studies graduate program in higher education: Alberto Cabrera, Carol Colbeck, James Ratcliff and Patrick Terenzini. A search for a permanent director is under way.

Private Giving

Alumni donate \$786,000 for three scholarships

Helping students excel in the classroom and on the playing field are the goals of three scholarships to be endowed with a commitment of \$786,000 from Penn State alumni Quentin and Louise Wood. Quentin Wood is retired chairman and CEO of Quaker State Corp. and a trustee emeritus of the University.

The Woods designated \$268,000 to create a scholarship in the College of the Liberal Arts to aid academically promising undergraduates who have financial need. Students in any of the college's academic majors are eligible. Louise Wood is a 1954 liberal arts graduate.

The couple also directed \$268,000 to create a scholarship for student-athletes. Undergraduates who have outstanding academic records and are proficient in any intercollegiate sport are eligible.

The remaining \$250,000 will endow a scholar-

ship in the College of Earth and Mineral Sciences. The Quentin and Louise Wood Honors Scholarships will assist students who have exceptional academic ability regardless of their major field of study within the college. Quentin Wood graduated from the college in 1948 with a bachelor's degree in petroleum and natural gas engineering.

"The Woods have supported three areas that have long been of interest to them personally," said President Graham B. Spanier. "We especially appreciate the flexibility that comes with this gift. It gives us the opportunity to direct these scholarships to programs that have a critical need for private support, and to students who might not otherwise have the financial means to attend college."

Quentin Wood, a Mechanicsburg native, graduated from State College Area High School in 1941 and served in the U.S. Army Air Force in World War II.

After completing his studies at Penn State, he joined Quaker State, with headquarters in Oil City, as a field engineer and rose through the ranks to become president and chief executive officer in 1973. He became chairman of the board in 1982, and retired in 1991.

He served as a Penn State trustee from 1976 to 1994, including three years (1979-82) as board president and several additional years as trustee liaison with the Department of Intercollegiate Athletics. He also was a member of the executive committee that provided volunteer leadership for The Campaign for Penn State (1984-1990), which raised \$352 million in philanthropic support for the University's academic programs.

The Woods endowed a faculty fellowship in the Department of Petroleum and Natural Gas Engineering in 1986. The couple resides in State College and Ponte Vedra Beach, Fla.

Alumnus' \$337,500 donation will boost acquisitions of stock market materials

A gift of \$337,500 from alumnus and investment consultant Robert J. Nurock of Santa Fe, N.M., and formerly of Berwyn, Pa., is adding to an endowment to help University Libraries acquire books and other material on stock market analysis.

Recognizing the growing importance and reputation of the Department of Finance in The Smeal College of Business Administration, Nurock created the endowment in 1993 to set up a collection oriented toward the stock market. The endowment has allowed the University

Libraries to add nearly 16 books yearly to date, to support the many levels of interest in the analysis of stock markets among Penn State students and faculty.

Since 1982, Nurock has been president of Investor's Analysis Inc., formerly based in Paoli, Pa., and now in Santa Fe. His firm provides investment consultation services to banks, corporations and mutual fund managers, as well as to private investors. A native of Philadelphia, he earned his bachelor's degree in arts and letters from Penn State in 1958. Before start-

ing his own firm, he ran a chain of automobile repair shops in Maryland, and worked at the executive level with Merrill Lynch & Co. first, and then with Butcher & Singer Inc. He was one of the original panelists on the PBS "Wall Street Week" show, and appeared regularly for 19 years until he resigned from the show in 1989.

Penn State invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income then increases the principal to protect it from inflation.

Gift of \$234,000 creates fellowship

A gift of more than \$234,000 from the late Hendrik Wentink of Wyomissing, Pa., will create a graduate fellowship in the College of Agricultural Sciences for students conducting research in poultry and egg production.

When activated through Wentink's estate, the fellowship will annually provide financial assistance to outstanding graduate students whose studies emphasize poultry products in relation to such fields as genetics, nutrition, physiology and operations research.

Wentink, who died in January, was vice president of The Montgomery Group Inc. (TMG), a collection of agribusiness and food industry consultants based in Wyomissing. His work focused largely on management, personnel and marketing services in the national and international egg, broiler and turkey industries, as well as in the feed and grain businesses.

Wentink had studied horticultural science and agricultural engineering in The Netherlands, and later attended the University of Pennsylvania. Besides TMG, he had worked in various management positions with the Pennfield Corp. and Harper Feed Mills.

Museum receives vintage photographs

The Palmer Museum of Art has received three vintage black-and-white photographs of the construction of the Empire State Building by noted social documentary photographer Lewis Hine. The works are a gift from Lisa Rosenblum, a senior vice president with Cablevision in New York City.

Rosenblum's sister, Nina, taught visual arts at Penn State in the early 1970s, and is the director of a

renowned documentary film on the life of Lewis Hine. Her photographer father, Walter, has often lectured at the University, and was a student of Hine's. Her art historian mother, Naomi, author of the recent book *A History of Women Photographers*, also has lectured at Penn State.

Hine, who lived from 1874 to 1940, is famous for his images of immigrants at Ellis Island and of the tragedies of early 1900s child labor

conditions. His last major project concentrated on the human side of Depression-era industrial culture, and culminated with documentation of work on the Empire State Building beginning in 1930. He collected many of his labor photographs in the book *Men at Work*.

The three works donated by Rosenblum to the Palmer Museum are titled "Working High Up," "Three Riveters" and "Men on a Hoist."

Obituaries

Edwin M. Huling, forest technician, College of Agricultural Sciences, from Sept. 1, 1955, until his retirement July 1, 1969; died Dec. 7, 1997, at the age of 91.

Levi W. Smith, biological technician, College of Agricultural Sciences, from Oct. 1, 1954, until his retirement Jan. 1, 1975; died Jan. 28, at the age of 85.

Albert L. Summers, horticulture worker, machine operator, College of Agricultural Sciences, from Aug. 1, 1950, until his retirement June 28, 1986, died Dec. 25, 1997, at the age of 70.

Lodie R. Witmer, residence hall worker, The Nittany Lion Inn, from July 1, 1959, until her retirement July 1, 1969. She was 94.

Awards

Department head an elected member of National Academy of Engineering

Professor J. Larry Duda, head of the Department of Chemical Engineering, is one of 84 engineers elected to membership in the National Academy of Engineering. Election to membership in the NAE is among the highest of the professional distinctions that can be accorded an engineer.

Duda was selected for this honor for his research on molecular transport in polymers and on tribology, the study of friction between interacting parts; and for leadership in engineering education. He joined Penn State in 1971, and has been head of the chemical engineering department since 1983. He has received numerous national awards for his technical publications and research, and for his contributions to engineering education.



J. LARRY DUDA

Duda holds M.S. and Ph.D. degrees in chemical engineering from the University of Delaware, and he was named a distinguished alumnus from that school in 1994. He earned a B.S. in chemical engineering from Case Institute of Technology, and worked for Dow Chemical Co. before coming to Penn State.

Academy membership honors those who have made "important contributions to engineering theory and practice," and who have demonstrated "unusual accomplishment in the pioneering of new and developing fields of technology." Membership in the NAE totals 1,941 U.S. citizens and 155 foreign associates.

Assistant professor receives NSF Early Career Development Award

James H. Marden, assistant professor of biology, has received a Faculty Early Career Development Award from the National Science Foundation. The award provides five years of funding to stimulate the early development of academic careers in science and engineering and to support the critical roles played by faculty members in integrating research and education.

Marden says he is "interested in how animals work and why they work that way." He investigates detailed processes of animal physiology, along with ecological and historical reasons for the evolution of certain physiological mechanisms, particularly those involved in flight. Marden focuses primarily on flying insects because they are "readily available, fan-



JAMES H. MARDEN

tastically diverse and ecologically and economically important."

His current research projects include the study of age-related changes in muscle physiology and thermal biology during adult maturation in dragonflies, the evolution of insect flight using stoneflies as model organisms, and performance physiology of free-flying fruitflies. He also is interested in locomotion, particularly its effect on an animal's fitness and ecology.

Marden is collaborating in research that examines the mechanics and kinematics of running in lizards. The award will support his research on a project titled "Evolution of Flight."

Professor cited for his high-quality scholarship

Darrell Steffensmeier, professor of sociology, has been named one of the recipients of the 1997 American Society of Criminology Award. The award recognizes consistently high quality scholarship over a long period of time.

Steffensmeier's research interests and publications deal with such issues as gender and crime, age and crime, race and violence, organized crime and criminal careers. A recurrent theme through much of his pub-

lished work concerns the effects of stratification processes on criminal offending and its sanctioning.

He is author of the book *The Fence: In the Shadow of Two Worlds* (1986), recipient of the 1987 Award of Outstanding Scholarship of the Society for the Study of Social Problems. He is currently completing the book *Confessions of a Dying Thief*, drafted from deathbed interviews with "Sam Goodman," the main informant for *The Fence*.



DARRELL STEFFENSMEIER

Assistant professor is DuBois Educator of the Year

The DuBois Educational Foundation named Richard M. Smith of Johnstownburg Educator of the Year for 1997. The annual award recognizes a member of the Penn State DuBois faculty who best demonstrates

dedication and excellence in teaching. Smith is an assistant professor of business administration and program leader for the associate degree in business administration program at Penn State DuBois.

Staff assistant earns Alumni Society award

Kimberly Keller, staff assistant in the Department of English, received the 1997 Liberal Arts Alumni Society Outstanding Staff Award.

Keller came to the College of the Liberal Arts 11 years ago as a staff assistant in the Department of English. She works for the undergraduate program director, the director of the American studies program and seven undergraduate advisers. Keller was honored for her outstanding service to others and her contributions to the University community and community at-large.

"Ms. Keller never finds a task too hard or a deadline impossible to meet," said Dean Susan Welch. "She is a dynamo of energy, always ready for a new challenge."

Keller works with the American Cancer Society, and coordinates an annual food drive to benefit the local food bank. When the English department staff assistants voted to participate in a community service project in lieu of a holiday gift exchange, Keller volunteered to organize the project that included the adoption of a needy family to provide them with a Christmas. She also organizes fund-raising events for local families to help defray medical expenses for children with terminal illnesses.

In 1990, she won the college's Outstanding Staff Award. Since the presentation of her award, Keller received a well-deserved promotion to administrative assistant, in the English department.

Versatile employee cited for humanitarian service

Ossie M. Parker, former president of the Forum on Black Affairs, community volunteer and Penn State employee, was awarded the 1998 Humanitarian Service Award. The award was created in 1985 to honor those who have provided outstanding service to the African American citizens of Pennsylvania.

Parker served as the president of the Forum on Black Affairs in 1995-96. In 1996 he served as chair of the Commission for Women Banquet Committee and as chair of the Martin Luther King Jr. Banquet Committee. More than 400 guests attended both events.

Parker, who is employed by the Office of Physical Plant, also served as a volunteer for C-Net, a tutor for the Mid-State Literacy Council and a chaplain for the Ray of Hope Youth Center.

Manager wins Eberly staff innovation award

George M. Weaver, manager of network and information systems for the Department of Astronomy and Astrophysics, has received the first Eberly College of Science Staff Innovation Award. Weaver was cited for his innovative technical ideas that enable his department to efficiently and inexpensively handle the transfer and storage of hundreds of gigabytes of data.

"His creative solutions have saved the department hundreds of thousands of dollars, enhanced our research capability, and allowed us to manage large databases with great efficiency," said Peter I. Meszaros, professor and head of the Department of Astronomy and Astrophysics.

The Staff Innovation Award is intended to recognize and reward an employee or team of employees whose innovative ideas, suggestions or work procedures result in a more efficient or cost-effective method of accomplishing work responsibilities. The award consists of a cash prize, a sculpted Nittany Lion plaque and inclusion on a plaque maintained in the dean's office.

Follow shuttle status on the Web

Today, Penn State Public Broadcasting's "What's in the News" program releases the first of three career video segments. Check local listings for the date and time of the broadcasts in your area. Each segment will be followed by a Web chat. The schedule is:

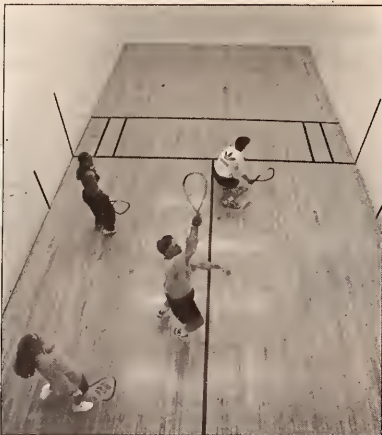
- Today: Aerospace engineer Karina Shook; Web chat is March 19.
- March 19: Meteorologist Steve Sokol; Web chat is April 1.
- April 2: Nutritionist Janis Davis-Street; Web chat is April 15.

To participate in these chats, pre-register at: <http://quest.arc.nasa.gov/neuron/chats/index.html#uwin>.

Challenger and its crew, which includes payload specialist James Pawelczyk, assistant professor of physiology and kinesiology, are progressing on schedule for an April 16 launch, according to NASA shuttle status reports. To find out more, visit the STS-90 countdown page at <http://www.ksc.nasa.gov/shuttle/countdown/>.

■ More information about the mission can be accessed at <http://shuttle.nasa.gov/>

Having a (racquet) ball



Masters of the court

Rosemary Dahlberg, undergraduate in speech communication, left, and Phil Rooney, undergraduate in electrical engineering, challenged President Graham B. Spanier and Fredina Ingold, director of admissions at Penn State Altoona, in the finals of the Penn State Mixed Doubles Racquetball Tournament at Recreation Building on the University Park campus.

Dahlberg and Rooney were tops in their bracket, but on this day were no match for Spanier and Ingold, who won the match and the championship. Spanier's overhead smashes, like the one at left, helped keep his team undefeated in the tournament.

Photos: Greg Grieco

Get ready for annual "Take Our Daughters to Work Day"

Penn State will once

again participate in the national "Take Our Daughters to Work Day" on Thursday, April 23. The event, sponsored by the Ms. Foundation, is a day on which parents or mentors bring their daughters to work to give them a first-hand look at what occurs in the workplace and expose them to the range of life options open to them.

As part of Penn State's participation, the Commission for Women is sponsoring a morning program at University Park which will allow girls in grades six through 12 to experience not only the workplace of the parent or mentor, but also some exciting "career sites" at University Park. Fifty sites are participating this year by opening their facilities and resources to the girls and their mentors. The girls will have the opportunity to visit three different career sites for 45-minute sessions. Career sites range across many disciplines, and the Commission for Women program will place a special emphasis on science and technology, since women are underrepresented in those fields.

The Commission for Women's program will begin with registration and a brief welcome at Kern Auditorium.

Katie Gearhart, a Penn State student, will be the opening speaker. The girls and their mentors will then visit three career sites, which will be assigned on a first-come first-served basis. The program will end with a box lunch in the South Annex of The Bryce Jordan Center, sponsored by the Office of the President.

Peggy Johnson, associate professor of civil engineering, will be the featured speaker. The program will end after lunch and the girls will spend the afternoon with their mentors at their workplace.

Brochures will be mailed in mid-March to all University Park employees explaining the program and providing a registration form. Cost of the program is \$10 per girl (there is no cost for the mentor). Deadline for registration is Monday, April 6. Questions can be directed to the Commission for Women office at (814) 865-1683 or to Debbie Meder, chair of Take Our Daughters to Work Day, at (814) 865-1821 or e-mail dmm40@psu.edu.

The Commission encourages all parents to bring their daughters to work on April 23, even if they are not participating in the commission's program. Several campuses are also planning programs for the day.

Environment is focus of EMS institute

By ÁNDREA MESSER
Public Information

Climate change, violent storms, volcanoes, urban sprawl and global warming will be some of the areas covered by the newly established Environment Institute in the College of Earth and Mineral Sciences. The institute will be led by Eric J. Barron, professor of geosciences and current director of Penn State's Earth System Science Center.

"This College of Earth and Mineral Sciences has a long history of research in the environment and interdisciplinary activities and the Environment Institute was created from the strength and breadth of the college," said John A. Dutton, dean of the college.

The institute will initially include two existing centers in the College of Earth and Mineral Sciences, the Earth System Science Center (ESSC) and the Center for Integrated Regional Assessment (CIRA). ESSC has focused on regional climate modeling coupled to regional hydrologic models to evaluate and predict the effects of climate change on a regional level. Founded with participation from the departments of geosciences, meteorology, geography, and energy, environmental and mineral economics, ESSC now has 30 associated professors and 12 research faculty. Many faculty from other colleges at the university participate in ESSC activities. CIRA, led by C. Gregory Knight, professor of geography, is involved in United States programs to assess climate change impact and human responses. The center draws from across the university for expertise in such areas as drinking water, agricultural production, flooding and public health.

A third new center of activity in Natural Hazards Research will be guided by Kevin P. Furlong, professor of geosciences, and will investigate storms, earthquakes, volcanoes, tornadoes and other natural disasters with an eye to assessment and mitigation of human impacts. This initiative will also draw from the social sciences to evaluate the impacts of these events on people.

The fourth component of the Environment Institute will be an initiative on land use analysis which will use satellite data and computer modeling to help urban planners prepare for the future. This initiative will be led by Toby N. Carlson, professor of meteorology, who plans a series of workshops to familiarize planners and other community leaders with available resources.

"Another research area we are working to promote is an assessment of the effects of climate on health, and we are currently collaborating with the College of Medicine on that initiative," said Barron.

"Funding agencies like the National Science Foundation, National Institutes of Health and the Department of Energy are earmarking a significant share of their new funding for interdisciplinary, multi-institutional efforts," said Rodney A. Erickson, vice president for research and dean of the graduate school.

President Graham B. Spanier, in his state-of-the-university address, singled out the environment as one of four major areas of focus for the University. An initiative in the environment is just beginning and will be led by deans and faculty from across the University.

Appointments

Public Broadcasting names station manager for WPSU-FM

Penn State Public Broadcasting has named Roy E. Gerritsen as the station manager for public radio station WPSU-FM (90.1, 91.5 & 106.7).

A graduate of Western Michigan University with an M.A. degree in radio and TV communications, Gerritsen brings nearly 30 years of experience in radio to WPSU-FM.

Most recently, Gerritsen spent almost 10 years as the director and general manager for WSIE-FM in Edwardsville, Ill., a public radio station operated by Southern Illinois University. While at WSIE, he was responsible for the supervision of professional, student and volunteer staff; oversaw translator and repeater projects that added nearly 450,000 people to the station's coverage area; and was responsible for the station's programming, public relations and promotion.

Before that, he was the general manager at WVVU-FM in Morgantown, W.V., where he was the station's first manager, building the station from its initial construction permit.

He has worked as an announcer at stations in Michigan, Iowa, Virginia and Indiana.

Penn State Hazleton appoints director of academic affairs

Monica E. Gregory has been named director of academic affairs at Penn State Hazleton.

Gregory, who has been serving as acting director of academic affairs at Penn State Hazleton since July of 1996, will be responsible for faculty issues, faculty hiring and campus academic programs.

She joined the Penn State Hazleton faculty in 1988 as an assistant professor of psychology and was promoted to associate professor in 1994. Gregory has been an active member of the campus community, serving as coordinator of the Campus Honors Program, during which time its membership increased three-fold. In addition, she has been a representative to the University Faculty Senate and co-chaired its Commonwealth Educational System Faculty Caucus. Gregory also has been a member of the campus Faculty General Assembly and recently chaired the campus' strategic planning committee. She also served as coordinator of the campus lecture series program, and participated in numerous outreach programs.

In addition to her teaching responsibilities, Gregory also has performed extensive research with area senior citizens focusing on the human memory and how the mind processes information.

A Vermont native, she received a B.A. in German from the University of Vermont, a master's degree in psychology from Mercer University, Ga., and a Ph.D. in psychology from the University of Oklahoma. Her career also includes active duty with the United States Air Force during the 1970s as a German linguist interpreting East German radio traffic.

Associate dean elected co-chair of advisory council

Robert F. Nicely Jr., professor of education and associate dean for outreach and faculty development in the College of Education, has been elected co-chair of the Coordinating Council for Outreach and Cooperative Extension.

Nicely will serve in this capacity through June 30, 1999. The Coordinating Council for Outreach and Cooperative Extension provides advice and counsel to the vice president for Outreach and Cooperative Extension and serves in an advisory role to the president and provost on outreach strategy, policy and programming.

Key issues that the council members are addressing include: creating a University-wide inventory of outreach activities; developing mechanisms to analyze the quality and impact of outreach initiatives; and developing a process for greater university outreach program coordination.

Nicely has served as assistant, associate, and full professor at Penn State since 1972. He also served as acting dean of the College of Education in 1989. His major teaching and research areas include mathematics education, curriculum analysis, individualizing instruction and continuing professional education. Nicely's responsibilities in the College of Education include academic personnel development, academic program development, administration of the college's outreach programs and academic relationships among the College of Education, Penn State's colleges and campuses and school districts/intermediate units throughout the Commonwealth.

He has received many awards for outstanding leadership, service, program development and research. He has served in a leadership capacity in numerous professional organizations and has chaired several committees, served as an editor of publications for a variety of organizations and has served on the board of directors of several national professional organizations.

Nicely also has served as president of the Pennsylvania Association for Supervision and Curriculum Development, the Pennsylvania Educational Research Association and the Pennsylvania Council of Teachers of Mathematics.

He has written more than 40 research and scholarly articles and book chapters and served as co-editor and member of several editorial boards.

Nicely holds a Ph.D. from the University of Pittsburgh, an M.Ed. from Indiana University of Pennsylvania and a B.S. from Penn State.

Center for Dielectric Studies welcomes new director

Clive Randall, associate professor of materials science and engineering, was named director of the Center for Dielectric Studies.

The center is a National Science Foundation industry/university cooperative research center

housed in the Materials Research Laboratory on the University Park campus.

The center currently has 15 industrial members sponsoring research projects aimed at improving the basic understanding of the synthesis, processing and properties of dielectric materials for electronic devices.

Randall's research is in the areas of structural-property relationships of advanced electroceramic materials. He is the author of more than 80 publications in archival journals.

Dielectric materials are used for packages, high frequency filters and chip capacitors.

Beaver appoints instructional development specialist

Brian Richards has been named Penn State Beaver's new instructional development specialist. He will consult with faculty in the design and production of multimedia and Web pages, including building instructional design models for active, collaborative learning.

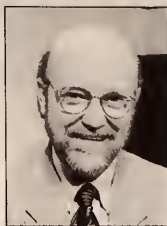
He also is responsible for: authoring and supporting instructional multimedia; training faculty in the use of multimedia software and peripherals; producing graphics, photography and video for multimedia and Web pages; and managing the activities of a multimedia development center on campus.

Richards holds a master of science degree in instructional technology from Bloomsburg University. He earned a bachelor of science degree in English education from Indiana University of Pennsylvania and has taught seventh-grade communications in the Clearfield Area School District.

While at Bloomsburg University, Richards served as a graduate assistant in the Institute for Interactive Technologies. Richards also assisted in the development of *Sign Language: A CD-ROM Approach*, an educational learning tool using more than two hours of digital video. The software will be used as part of an undergraduate course by students who must learn sign language.

Richards served as president of the Interactive Multimedia Association and led the organization's campaign to establish effective communications with alumni, as well as coordinated public relations activities. He also served as editor of the *Tidbits Newsletter*.

Richards is a member of the HTML Writers Guild and Teachers and Writers Collaborative and is a contributing writer to *Marbles Magazine*.



ROY E. GERRITSEN



ROBERT F. NICELY JR.



CLIVE RANDALL



BRIAN RICHARDS

Partings

Associate dean retires with emeritus status

Peter D. Bennett has retired as associate dean emeritus and professor emeritus of marketing in The Smear College of Business Administration after 33 years of service to Penn State.

Widely known for his research and teaching in marketing, Bennett's most recent role at Smear was in leading the college's launch of the Curriculum for Undergraduate Business Education (CUBE), an innovative approach to management education that integrates learning in all of the business functions and relies heavily on electronic multimedia instruction. Smear is believed to be the first major U.S. business school to take this new approach.

Bennett served as the college's senior associate dean from 1989 to 1997, and as chair of the Department of Marketing for 14 years. He taught classes in marketing management, international business, consumer behavior, strategic planning and marketing theory while also supervising a number of M.S. and Ph.D. theses.

The major emphasis of Bennett's research is on the application of psychology and psychological research methods to the study of consumer behavior. His studies also have delved into international marketing and recent work was in the area of marketing and the elderly.

In 1995, Bennett compiled and edited the *American Marketing Association's Dic-*



PETER D. BENNETT

tionary of Marketing Terms. He also was the author of *Marketing* (McGraw-Hill, 1988), *Student Study Guide for Marketing* (with A. Jackson McCormack (McGraw-Hill, 1988), and *Consumer Behavior* with H.H. Kassarian (Prentice-Hall, 1972).

Bennett has written numerous articles for the *Journal of Marketing*, *Journal of Marketing Research*, *Journal of Consumer Research*, and

Journal of Global Marketing. He also co-edited *Foundations of Consumer and Industrial Buyer Behavior* with Arch Woodside and Jagdish Sheth (American Elsevier, 1977). In addition, he has written for the Pennsylvania Department of Commerce and the University of Texas Bureau of Business Research.

Bennett has served on the editorial review boards for the *Journal of Consumer Research* (since 1983) and the *Journal of Global Marketing* (since 1987). He has been a member of the American Marketing Association, the American Management Associations, the American Psychological Association, the Association for Consumer Research and the World Futures Society.

Before coming to Penn State, Bennett was a visiting researcher at the Universidad de Chile and a lecturer in marketing at the University of Texas at Austin. He earned his B.B.A., M.B.A. and Ph.D. degrees from the University of Texas-Austin.



GRAHAM B. SPANIER, LEFT, AND DAVID JANE GILMOUR

All in a day's work

President Graham B. Spanier and Davie Jane Gilmour, interim president of Penn College, both testified Feb. 24 before the House Intergovernmental Affairs Committee about workforce development in Pennsylvania and Penn State's heavy involvement in that area.

The two spoke in support of House Bill 1800, which proposes to bring together the \$750 million annually given out through state and federal programs for job training and retraining under the administrative umbrella of a single agency—the Human Resources Investment Council. Although both Spanier and Gilmour endorsed the idea, they expressed concerns about the bill. Spanier sought reassurances from lawmakers that funding for other critical higher education priorities would not be diverted to occupational education and that funding streams would be predictable. He also asked that experienced providers, like Penn State, receive priority funding.

Currently, programs that fall under the proposed legislation bring Penn State just under \$9 million in funding per year. Most of that funding passes directly to one of 11 Penn State locations involved in program delivery. Penn State is the largest provider of technical education in the state and the second largest provider of related associate degrees, enrolling about 7,000 students in associate-level occupational and technical programs at its 24 locations across the Pennsylvania. About 90 such programs are offered through the Penn State system in concert with regional industry needs.

More revisions are expected to be made to the legislation.

Several earn emeritus rank

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Peter D. Bennett, professor of marketing/associate dean in The Smear College of Business Administration, from Sept. 1, 1964, to Jan. 1.

Gerard J. Brault, Edwin Erle Sparks professor of French and Medieval studies/Fellow, Institute for the Arts and Humanistic Studies in College of the Liberal Arts, from Aug. 1, 1965, to Jan. 1.

Ronald E. Buckalew, associate professor of English in College of the Liberal Arts, from June 1, 1963, to Dec. 31, 1997.

Reginald A. Deering, professor of biochemistry and molecular biology in Eberly College of Science, from Aug. 1, 1964, to Jan. 1.

Robert E. Dunham, senior vice president and dean of the Commonwealth Educational System and professor of speech communication, from Sept. 1, 1999 until Jan. 17.

Robert J. Heinsohn, professor of mechanical engineering in College of Engineering, from June 1, 1963, to Jan. 1.

John J. Henry, professor of mechanical engineering in College of Engineering, from Sept. 15, 1971, to Feb. 1.

Moylan C. Mills, professor of integrative arts, College of Arts and Architecture at Penn State Abington, from Sept. 1, 1959, to Jan. 1.

Robert E. Newnham, Alcoa professor of solid state science in College of Earth and Mineral Sciences, from Aug. 1, 1966, to Jan. 1.

Donald C. Rung, professor of mathematics in Eberly College of Science, from Sept. 1, 1961, to Jan. 1.

Michael A. Santulli, associate professor of philosophy, College of the Liberal Arts at Penn State Hazleton, from Sept. 20, 1971, to Jan. 1.

Robert J. Snetsinger, professor of entomology in College of Agricultural Sciences, from Aug. 8, 1960, to Jan. 1.

William K. Waters, associate professor of agricultural sciences in College of Agricultural Sciences, from Nov. 1, 1960, to Jan. 1.

Sam Y. Zamrik, professor of engineering mechanics in College of Engineering, from Sept. 1, 1965, to April 1.

Penn Staters

Stephen J. Benkovic, Evan Fugh professor of chemistry and holder of the Eberly Family chair in chemistry, has been named to the 21-member University of Chicago Board of Governors for Argonne National Laboratory, the largest federally funded scientific laboratory in the Midwest.

Nancy Dana, assistant professor of elementary education, received the 1997 Outstanding Research and Publication Award from the Pennsylvania Association for Supervision and Curriculum Development. Dana was recognized for her contributions to education through research and publication of an article on creating opportunities for reflection in the education of early childhood teachers, published in the *Journal of Early Childhood Education*.

Henry Giroux, Waterbury chair professor in secondary education, was selected to the Laureate Chapter of

Kappa Delta Phi. Giroux joins a select group of past and current educators who have been selected, all of whom have helped shape educational theory and practice. The first inductee was John Dewey in 1925. Giroux's selection to the Laureate Chapter of Kappa Delta Phi is in recognition of his impact on educational theory and practice through the years.

Edwin L. Herr, distinguished professor and associate dean of research and graduate programs in the College of Education, served as a visiting professor at the University of Lisbon, Portugal. While in Lisbon, he provided lectures to the faculty and graduate students and also provided a University lecture titled "Why Career Services in a Global Economy?" In addition, Herr has been selected as one of the first four Overseas Fellows of the National Institute of Careers Education and Counseling in Cambridge, England.

Research

Cloud observatory tracks El Nino changes

By A'NDREA ELYSE MESSER
Public Information

Perhaps the largest El Nino of the century is currently under way, and a team of scientists is remotely watching the sky, hoping that they can learn from this event.

"A year ago we set up a ground-based observing station in the Western Pacific on Manus Island in Papua New Guinea that is intended to last a decade," said Thomas P. Ackerman, professor of meteorology. "The timing was near-perfect. We got measurements before El Nino, now we are getting measurements during El Nino and I hope we will get measurements after it passes."

The observing station is part of the Department of Energy's Atmospheric Radiation Measurement (ARM) program. Another observing station already exists in rural Oklahoma and others are planned. The program will collect continuous cloud observations and measurements for a decade in an effort to evaluate and develop cloud property and radiation algorithms for the global climate models, and to better understand phenomena like El Nino.

"We have records of El Nino quite far back, but the largest in recent history occurred in 1982-83," said Ackerman, who also is associate director of Penn State's Earth System Science Center. "Right now, the 1997 El Nino is the biggest we have on record, although it is expected to begin to contract in late fall."

El Nino is of serious concern because it affects weather patterns across the Pacific and in North and South America. During an El Nino, the western coasts of the Americas become very wet and hurricanes spawn off the Pacific coast of Mexico, track up through Southern California and dump rain on such normally arid states as Arizona and New Mexico. The northern tier of North America becomes warmer and the southern tier becomes colder. The Southwest,



Thomas P. Ackerman, professor of meteorology, is looking at the role of clouds in El Nino and other weather systems.

Photo: Greg Grieco

Midwest and Southeast become wetter. The Northeast is little affected by El Nino.

In the Western Pacific, El Nino causes severe drought, which is especially problematic for islands relying on rain for irrigation and drinking water.

"The situation in New Guinea and nearby islands is serious, as are the consequences of West Coast hurricanes," said Ackerman. "While we are pretty good at projecting the effects of El Nino once one begins, we really do not know how to pre-

dict the onset."

El Nino is a quasi-periodic event, meaning it appears regularly but not necessarily predictably. Researchers hope data collected by the observing station along with sea surface and air/sea atmospheric temperature readings collected from ocean buoys set out by the National Oceanographic and Atmospheric Agency will help meteorologists and climatologists recognize the onset of El Nino.

"We have great cooperation from the New Guinea weather service and after a year, the station is extremely successful," said Ackerman. "No one knew if these stations could work on their own and they do."

The main focus of the ARM program is cloud cover and the effect of clouds on the surface radiation budget, which is important in understanding El Nino and in refining the output of the global climate models currently used to understand worldwide events.

Normally the Pacific trade winds blow from east to west and push warm water across the Pacific Ocean. This allows colder water to move in from the north, south and below, along the west coast of North and South America.

When El Nino begins, the trade winds slacken and the water stays put. The west coast water becomes 3 to 5 degrees Celsius warmer than usual and the western Pacific becomes about a degree cooler, equalizing the temperatures across the Pacific. The normally cloud-free West Coast becomes cloudy and wet, and the Western Pacific, which has frequent cloud cover and rain storms, experiences drought.

"We do not know what makes the trade winds slack off, nor why the El Nino system eventually collapses," said Ackerman. "We do know that clouds play a part in El Nino and other systems and we hope that the ARM program can provide information on their effects."

American society approach to death full of contradictions

The American approach to the subject of dying is full of contradictions. That is one of the primary findings of David Barnard, professor of humanities in the College of Medicine.

"Most polls show at least 70 percent of Americans want to die at home. The reality is only about 25 percent actually do die at home. This is partially because of technology which keeps people in hospitals longer, and partly because of inadequate support to families to help a relative die at home. About 20 percent of deaths occur in a nursing home," said Barnard.

Another point of ambivalence surrounding death is pain management. Barnard said that many physicians are reluctant to give pain medication for fear of addiction. He also said many patients fear

getting addicted and also fear being associated with drug-taking behavior. This is despite the fact that Barnard and other researchers have shown that the biggest fear many Americans have is dying and enduring severe pain at the end of life.

Barnard's research shows that while most Americans believe a living will should clearly dictate their care when they can no longer speak for themselves, fewer than 20 percent of Americans actually have such a document. Of those who do, about 40 percent want care providers to have substantial leeway to override their previously expressed wishes if the provider believes it is in the patient's best interest to receive additional treatment.

Barnard said, "This is another example of ambivalence. We have educated many people about

the idea of living wills. However, when we get to the point where the will would go into effect, many patients say to the physician 'do anything possible to prolong my life.'"

Barnard believes the growth of hospice care and palliative care in recent years will mean good things for patients.

"These programs will better meet the needs of patients," said Barnard. "Part of the message is that not one size fits all when it comes to dealing with dying patients. We need to be more open and realistic with patients and families. Right now the skills of physicians dealing with death is highly variable."

He also believes patients' ambivalence regarding the end of life means that more, not less, dialogue is needed on the subject.

CEO being sought for New Kensington

Candidates and nominations are being sought for the position of campus executive officer at Penn State New Kensington, part of the Commonwealth College. The CEO is the chief administrative officer of the campus and is responsible for the well-being of the campus, including the administration of its campus-based and outreach programs, as well as for maintaining close relationships with its surrounding communities and within the University structure.

Candidates should have an earned doctorate and some college teaching experience. Substantial experience in academic administration or other high-level administration also is required. Please submit a letter of application, resume and names, addresses (including e-mail if possible), and the telephone numbers of three references to: **Kenneth Varcoe**, associate dean for administration, Commonwealth College, 111 Old Main, Department CHNK, University Park, Pa. 16802.

Penn State New Kensington is on a 75-acre site in suburban Westmoreland County. The campus is renovating 5,200 square feet of space into an Interactive Instructional Center including high-tech, flexible classrooms, with docking stations for laptops, and video conference capacity.

The majority of full-time students are enrolled in the first two years of one of the 180 University majors. New Kensington also offers complete baccalaureate programs in nursing and electro-mechanical engineering technology and a variety of associate degree programs. The campus can be visited at <http://www.nk.psu.edu>.

Members of the committee include: **Joan Begolly**, instructor in engineering; **Robert Bridges**, assistant professor of psychology; **Clarence Finley**, assistant professor of chemistry; **Arlene Hall**, assistant professor of kinesiology; **Larry Pollock**, director of student affairs; **Sandie Williams**, staff assistant; and **Mark Earnest**, SCA president, all at New Kensington; also, **JoAnne Burley**, campus executive officer, Penn State McKeesport; **Rachel Miller**, director of human resources for the Commonwealth College; and **Eugene Melander**, associate vice provost.

Applications will be accepted until the position is filled. Formal screening of candidates will begin on March 13.

Vanpooler

Vanpoolers wanted from Philipsburg area to University Park. Work hours are Monday-Friday, 7:30 a.m.-4:30 p.m. Call **Stacie** at (814) 865-3448 or (814) 342-7511.

For the Record

Due to a source error, the retirement listing for **Kathy L. Poorman** in the Feb. 19 issue contained an incorrect starting date. The correct date should have been Dec. 3, 1973.



Things are a little fuzzy

Spring lambing season at the Sheep Center on the University Park campus, which began around the first week of January, is nearly over. These three Dorset sheep are part of the more than 150 lambs born per season. Another lambing season will begin in the early fall. Sheep at the center are used for teaching and research purposes for the College of Agricultural Sciences.

Photo: Greg Grieco

PENNTAP provides \$6.1 million-plus in benefits

Free assistance provided to business and industry by Penn State's Pennsylvania Technical Assistance Program increased again in 1997, reaching every county in the state.

According to a year-end report, PENNTAP provided 830 cases of assistance to 505 companies, versus 462 in 1996. More than 80 percent of the PENNTAP clients were businesses with fewer than 100 employees.

The companies reported 125 jobs created or saved as the result of PENNTAP assistance and \$6.1 million in economic benefits including cost savings, revenue increases and capital expenditures. PENNTAP is a network of technical specialists throughout the Commonwealth who

help Pennsylvania business and industry improve their competitiveness by providing free scientific and technological assistance and information to help resolve specific technical questions or problems.

In many cases, the PENNTAP specialists use their own technical expertise to respond to clients' questions. But they also may refer questions to Penn State faculty members or to the technical librarian at Pattee Library on the University Park campus.

"There are situations in which our PENNTAP technical specialists need to confer with faculty or staff to be able to formulate the best response. In some cases, the contact between

the faculty member and the company leads to joint projects which may be partially supported with funding from the Ben Franklin Partnership or the Industrial Resource Center network," Jack Gido, PENNTAP director, said.

PENNTAP is a partnership among Penn State, the Pennsylvania Department of Community and Economic Development and the U.S. Economic Development Administration. Serving Pennsylvania business and industry statewide since 1965, PENNTAP is one of the nation's first technical assistance programs and has been a model for such programs in many other states and countries.

PENNSTATE INTERCOM

Department of Public Information
312 Old Main, University Park, PA 16802 Phone: (814) 865-7517
Address correction requested

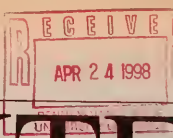
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Volume 27, Number 24

Spiritual life thrives at Eisenhower

Students of all faiths finding religious selves

By BILL CAMPBELL
Special to Intercom

Patrick Hicks, a Ph.D. candidate in computer science, gets up every morning at 6 a.m., reads the scripture for more than a hour, then attends mass. In the evening, he often is involved with other students in Bible study.

"The religious aspect of my University experience is central to my life," he said. "I came to Penn State with no Christian upbringing. But, I was baptized into the Catholic Church last Easter and it has become a huge part of my everyday life."

Jennifer Keller, a sophomore in elementary education, found her spiritual home-away-from home in Hillel: The Foundation for Jewish Campus Life.

"My spiritual life is very important to me," she said. "It gives me a sense of identity. On a personal level, it is my Jewish home-away-from home. I'm welcome. I can be with people who have beliefs similar to mine."

Their concern with the religious or spiritual aspects of their lives is not uncommon among today's college students.

According to Kenneth Clarke, director of the Center for Ethics and Religious Affairs, there is a revived amount of interest in religion on campuses nationwide that is being reflected at the University.



Active celebrant

The Rev. Fred Byrne offers communion to one of the 10,000 members of the Catholic community at University Park during an Ash Wednesday service.

Photo: Greg Grieco

"Students are looking for meaning and purpose in the midst of an explosion of the information age and technological advances," he said. "Out of that experience, and despite the fact that more is at hand, they are seeking meaning and a sense of direction and hope to grasp some core values that can give some ori-

New interfaith center planned for chapel

Eisenhower Chapel, the cornerstone of spiritual activity on the University Park campus, is about to get bigger.

Spurred by a \$1 million gift from Joe and Sue Paterno, a new interfaith spiritual center is being planned as an addition to Eisenhower, which was built in 1956 and expanded in 1976 with private funds.

"From the standpoint of space, there has been a need for a number of years," said Kenneth Clarke, director of the Center for Ethics and Religious Affairs, which is housed in the chapel and serves as a liaison between Campus Ministries and the University.

"Currently, virtually all space is occupied in the evenings until 10:30 p.m. Every night during the academic year, except Saturday, the building is open and brimming with activity."

Christy Cochran, a junior from Bethlehem and a member of the Penn State Women's Volleyball team, visits Eisenhower daily.

"I love Eisenhower," Cochran, a member of the Penn State Catholic Community, said. "I go every day. It's a great place to meditate; a nice getaway on campus. I would encourage others to

World Campus update given to Faculty Senate

By ALAN JANESCH
Public Information

Launched in January, Penn State's World Campus is now offering programs in turfgrass management and noise control engineering to online students both across the United States and outside its borders, the University Faculty Senate learned at its March 3 meeting.

The World Campus is an educational institution with no walls, where learning is accomplished via the Internet and other new information technologies. As envisioned by University leaders, it is a distinctive outreach campus of the University that will eventually offer a broad spectrum of educational activities beyond the existing Penn State system.

Seven of the Big Ten universities, as well as many other institutions, are trying to create "virtual universities" that offer online courses to students who cannot get to an actual university location.

"We are not trying to play catch-up," said Jacob De Rooy, associate professor of economics, who presented a report on the World Campus to the Senate. "We are trying to position ourselves as a leader ... in this highly competitive arena."

In the next five years, the World Campus is expected to have 300 Penn State courses online. Over the short term, its offerings include the following:

- Chemical dependency counseling, a postbaccalaureate certificate program in counselor education, set to begin this month.

— Geographic information sys-

See "Update" on page 2

See "Spiritual life" on page 3

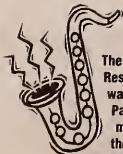
See "Eisenhower" on page 2

Inside



University Awards

Once again, many members of the University community are being honored for their contributions. To see who will receive recognition at the annual ceremony on March 22, please turn to our eight-page special section, beginning on page 9.



Graduate Research Exhibition

The 13th Annual Graduate Research Exhibition gets under way on March 27 at University Park, with a special performance option for students in the arts. For more information, please see page 18.

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Slavic Folk Festival starts March 20

The 20th Annual Penn State Slavic Folk Festival will be held from 10 a.m. to 10 p.m. Friday, March 20, and Saturday, March 21; and from 12:30 to 6 p.m. Sunday, March 22, in the ballroom of the Hetzel Union Building on the University Park campus.

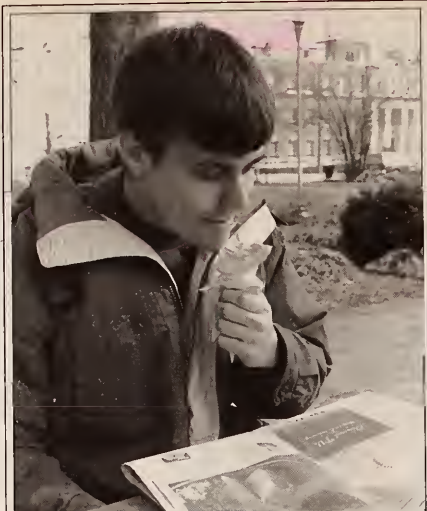
The festival showcases cultural achievements of Pennsylvania's Slavic-American ethnic groups, featuring exhibits, demonstrations of folk art and live performing groups. There will be book and artifact booths, an ethnic snack bar and special events for children on Friday morning from 10 a.m. to noon.

The evening performance, starting at 7 p.m., will feature the Penn State International Dance Ensemble and the polka players. The Saturday afternoon program runs from 1 to 5 p.m. and will include the Slavjane Folk Ensemble from McKees Rocks, Pa., and the Herminie Butlon Box Club. The Saturday evening program will feature Zima, playing music for listening and dancing with a polka and waltz contest.

The Sunday program will start with the Original Byzantine Men's Choir of Pennsylvania, as well as Polonia Polish Folk Dancer of Pittsburgh, and a performance by Galla and Dan. The Penn State International Dance Ensemble and Moryanya also will be featured.

There is no admission charge and programs are free.

A preliminary program of festival events is available from Michelle Weaver, festival secretary, at (814) 625-9177. Other inquiries can be directed to the coordinator at (814) 238-6416.



Chilly treat

Greg Zader, a senior chemical engineering major, didn't mind the recent cold spell as he enjoys a cone, newspaper and a bit of sunshine at the Creamery on the University Park campus.

Photo: Greg Grieco

Eisenhower

continued from page 1

take the opportunity to visit."

Johanny Casasnovas, a graduate student in food science, spends considerable time at Eisenhower. He stops almost daily for Mass and for conversation with clergy or staff, and in the evenings for meetings and choir practice.

"I put down roots in the community in large part through Eisenhower contacts," said Casasnovas, whose native country is the Dominican Republic. "It has been a keystone in my survival at Penn State and has helped me see the University as my home."

Last year, more than 3,800 events for the campus ministries, student religious organizations, and academic and academic support units were scheduled. That figure is expected to be more than 4,000 this year.

"Several of the campus ministries have expressed an interest in expansion," Clarke said. "The present all-faith chapel seats 125. The larger ministries have to worship in other areas of the building or in other locations on campus."

He said the expansion will help address a number of needs.

"Focus will be on program space and will include an 800-seat worship area that will be adaptable for smaller needs. There also will be a variety of meeting and program areas and some

additional office space."

No date for the start of construction has been set, with the timetable to be determined by additional private gifts for the project. Plans call for the addition to be adjacent to the current facility. It will involve some reconfiguration of current indoor program space, but the external structure will not be significantly altered.

"The next major step in the process is the development of a building design committee which will need about a year to do its work," Clarke said.

"The committee will use information from the Chapel Expansion Program Statement and recommend specific plans for new program space."

— BILL CAMPBELL

Promotions

Staff

Laurie A. Roan, staff assistant VI in Eberly College of Science.

Kenneth J. Robinson, library assistant II in University Libraries.

Michelle S. Rodgers, regional director in College of Agricultural Sciences.

David T. Rynd, regional director in College of Agricultural Sciences.

Tamara L. Salinas, administrative assistant II in Office of the Dean for International Programs, Office of the Executive Vice President and Provost.

Maxine I. Schollenberger, library

assistant II, APG team in University Libraries.

Lois A. Seitz, network coordinator in the College of the Liberal Arts.

Shelby L. Sharp, deputy security officer in Applied Research Laboratory.

Leroy M. Siebenrock, manager, physical plant in Applied Research Laboratory.

Diana L. Simpson, human resources coordinator at The Nittany Lion Inn.

Vicki L. Smith, lead systems analyst in Computer and Information Systems-Administrative Systems.

Virginia C. Smith, associate security officer in Applied Research Laboratory.

Paul W. Sneath, security officer at Penn State Altoona.

Amy M. Steele, assistant group supervisor in College of Health and Human Development.

Michelle L. Stine, network support specialist in College of Arts and Architecture.

Heather A. Storm, ticket manager in College of Arts and Architecture.

Timothy C. Summers, research programmer in Computer and Information Systems-Center for Academic Computing.

Update

continued from page 1

tems, a five-course, non-credit certificate program from the College of Earth and Mineral Sciences, set to begin in fall 1998.

— Fundamentals of engineering review course, a test preparation course for professional engineers, set for spring 1998.

— Business logistics, in The Smeal College of Business Administration, an undergraduate certificate program on the movement of goods and information, set for spring 1998.

Eventually, De Rooy said, all Penn State distance education "may conform to the model being established by the World Campus."

James Ryan, vice president for continuing education, and Gary Miller, associate vice president for distance education and director of the World Campus project, said that the University sees the World Campus as an "alternate delivery system" for reaching people who want a Penn State education but cannot take classes at existing Penn State locations.

While the World Campus cannot duplicate the traditional classroom experience or face-to-face interactions with faculty, Miller said, the University does want to make the World Campus "as dynamic a learning community as we can, using the technology available to us."

"Research has shown that distance education through technology is as educationally effective as classroom instruction," Miller said. "The World Campus will use these technologies to create a rich and dynamic learning community among students who are separated from each other and from the faculty."

In his report, De Rooy said the faculty needs to consider several issues related to online distance education, such as faculty involvement in the delivery of World Campus programs, the development of World Campus programs that provide graduate professional degrees, and the control and assessment of the academic content and quality of World Campus programs.

In other business, the Senate recommended to the University administration that 25 percent of the funds available for salary increases should be used for raises to individual faculty members whose salaries are within the lowest third of their departments' salary structures. The Senate also recommended that the administration include additional information about the handling of faculty salary review cases.

The Senate will next meet on Tuesday, March 31, at 1:30 p.m. in Room 112, Kern Building, University Park.

Spiritual life

continued from page 1

entation to their lives.

"Unlike the 1950s, there is not just a Protestant, Catholic or Jewish revival of religion. This is a quest across many faiths, locally and nationally. There is a real desire to find meaning."

"As a culture," added Alicia Anderson, campus minister for Lutheran Campus Ministry, "people are looking for meaning in life through spirituality, but they do not always find it through traditional church structures."

"My greatest challenge is helping students figure out what it means to be a Christian when not in a worship setting. When they are not in a worship setting, they often aren't sure how to live out their faith."

Anderson said the most difficult, yet most important, thing individuals do is struggle to find a faithful way to live their lives.

"Society doesn't emphasize that," she said. "Society focuses on consumerism, prestige and the like. But we can help students by encouraging them to think about choices, by calling them to accountability in caring ways."

Evidence of the importance of religion to Penn State students can be seen in the Catholic community, the largest faith community at University Park with some 10,000 students, from which to draw approximately one-fourth of the total campus enrollment. Mass is held five times on weekends and twice daily. The largest mass in Schwab Auditorium, at 9 p.m. Sunday, attracts between 700 and 800 students every week.

"The importance of faith and religion to our students is revealed by their commitment to come to Sunday worship," the Rev. Fred Byrne, director of the Penn State Catholic Community, said. "It is an important part of their lives."

For the 4,000 Jewish students on campus, Hillel tries to create an environment in which students can live independently away from home and feel comfortable.

"Judaism is a way of life," Tuvia Abramson, Hillel executive director, said. "Religion plays a major role, but we also try to provide for the cultural, educational and social needs of the Jewish students by creating programming to answer their needs. Many of our students are away from home for the first time and they struggle to find themselves, to define who they are."

"In terms of the spiritual aspect, we try to help them maintain their value system and their roots. We also create an atmosphere in which they can feel free to express their religious belief without feeling discomfort from being different."

Penn State has a long history of supporting the spiritual and religious aspects of student life. The Helen Eakin Eisenhower Chapel is one of the



A way of life

Tuvia Abramson (above), executive director of Hillel: The Foundation for Jewish Campus Life, puts the finishing touches on an exhibit in Kern Graduate Building which features Jewish religious and cultural items. Below, Mass is held in Schwab Auditorium to accommodate the large number of students who don't all fit in Eisenhower Chapel. Expansion of the chapel is expected to address this problem.

Photo: Greg Grieco



earliest campus buildings constructed with private contributions. In the Association of College and University Religious Affairs, Penn State is one of only a few public universities represented.

The *Centre Daily Times* still prints daily prayers of John Henry Frizzell, former long-time University chaplain who died in 1976. Because of legal concerns over separation of church and state, the chaplain position has evolved over time to the more administrative function of director.

"But it still involves providing an opportunity for students, faculty and staff to become voluntarily engaged in opportunities for religious growth and programming on issues where society and religious faith intersect," said Thomas G. Poole, assistant vice president for educational equity and former director of the Center for Ethics and Religious Affairs for 10 years. Importance of the role at Penn State has owed itself to close connection to the Office of Student Affairs, where there is a concern for the holistic development of students. Spiritual development is folded into that package, according to Poole.

"We're not asking that students check their religious sentiments at the

Penn State has a long history of supporting the spiritual and religious aspects of student life. The Helen Eakin Eisenhower Chapel is one of the earliest campus buildings constructed with private contributions.

gate and pick them up at commencement," Poole said. "We've provided opportunities for them. Our approach centers on practice by all and domination by none. Virtually any kind of religious organization in society can be found here, if it is a registered student organization and plays by the rules."

Mike Baer, a senior architectural engineering major and president of Christian Student Fellowship, had no aspirations of becoming leader of a student religious organization when he first enrolled at the University.

"After my freshman year, I discovered a lot of opportunities for spiritual guidance," he said. "At Penn State you have a chance to try different fellowships and I found my fit with the Christian Student Fellowship. I was missing God in my life. Without that, I don't know I'd be here now."

J. Thomas Eakin, former assistant vice president for student affairs, who served for six years as director of religious affairs, also cited the openness of the University over the years in "encouraging students to pursue their faith as they see it within the University rather than making it off limits."

"As a result of this encouragement and openness ... there are a tremendous number of student religious organizations active on campus."

Eakin said the presence of Eisenhower Chapel is a symbolic, as well as a real example that the University sees

the religious experience as an important part of University life, rather than sending a message that it should be done or practiced elsewhere rather than on campus.

Eisenhower Chapel is, in fact, the cornerstone of religious activity on the University Park campus. In addition to its 125-seat all-faith worship facility, it provides meditation and meeting rooms, study lounges and offices for a variety and diversity of campus ministries.

The 30 student religious organizations on campus use its meeting rooms. It houses the Center for Ethics and Religious Affairs, and is home to more than 20 campus ministries professionals. Here you can find Hillel, Episcopal Campus Ministry, United Campus Ministry, Christian Student Fellowship, Penn State Catholic Community, International Christian Fellowship, Lutheran Campus Ministry, Asian American Christian Fellowship, Muslim Student Association, Unitarian Universalists and others.

"I liken it to a little United Nations of faith. The crossroads of faith intersect here," said Rev. Byrne. "Students should be aware of their faith communities because we have to learn to work together. Eisenhower provides a microcosm of the larger world."

In addition, the University Park campus presents a unique opportunity for learning about other faiths in that some 2,400 international students are enrolled. One of the most visible aspects of religious activity on campus can be seen in the community where students practice their faith helping others.

The Christian Student Fellowship touches the community through weekly ministries at a nursing home, the Central Counties Youth center and its "Big Dudes, Little Dudes" program. Some students in the Penn State Catholic Community are involved in a prison ministry every Sunday at Rockview State Penitentiary. Hillel, in conjunction with other campus ministries and several academic departments, sponsors interfaith trips to the Holocaust Memorial Museum. During spring break, students can be found building homes for Habitat for Humanity, working in a women's shelter, assisting people in poor villages in Haiti, and working on neighborhood projects with the Miami Rescue Mission.

"Part of being a Christian is helping God's people," William 'Buzz' Roberts, campus minister in the Christian Student Fellowship, said. "There is a natural tendency to share what you have discovered with other people and help those less fortunate because that is one of the basic teachings of the Bible."

"Another reason for the interest in these projects is the close relationship the students build with one another as part of their growth path. There is a desire to want to stand next to each other and work together."

LECTURES

Professor shares his memories of Holocaust

Nobel Peace Prize-winner and Boston University Professor Elie Wiesel shares his personal memories of the Holocaust and speaks on behalf of oppressed people at 8 p.m. Tuesday, March 31, in Eisenhower Auditorium on the University Park campus. Wiesel is appearing as part of the Distinguished Speakers Series.

Wiesel and his family were deported from Transylvania by the Nazis when he was 15 years old. His mother and younger sister perished in Auschwitz. His father died in Buchenwald. Wiesel's memories of the experience led him to use his talents as an author, teacher and storyteller, to defend human rights and peace throughout the world.

In addition to the 1986 Nobel Peace



ELIE WIESEL

Prize, his efforts have earned him the Presidential Medal of Freedom, the Congressional Gold Medal, the Medal of Liberty and the rank of grand officer 1 in the French Legion of Honor. Wiesel has written more than 35 books, including *A Beggar in Jerusalem*, *The Testament and The Fifth Son*. His more recent works include *Sages and Dreamers*, *The Forgotten and All Rivers Run to the Sea*.

Wiesel's presentation is supported through the student activities fee. Faculty and staff may obtain tickets today. Any remaining tickets will be available to the general public Friday, March 20 on a first-come, first-served basis. The Eisenhower ticket box office is open from 8:30 a.m. to 4:30 p.m. For more information, contact the Student Activities Office at (814) 863-3786.

Author to discuss Styron biography

James L.W. West III, author of the first biography of William Styron, *William Styron, A Life*, due for publication this month, will give a lecture titled "Being Boswell: Writing the Life of William Styron," at 8 p.m. Monday, March 23, at the Palmer Museum of Art on the University Park campus.

A distinguished professor of English and fellow of the Institute for the Arts and Humanistic Studies, West will talk about his research, access to materials and the problems of writing about a living author. Styron is the author of *The Confessions of Nick Turner*, *Sophie's Choice* and *Darkness Visible*.



JAMES L.W. WEST III

Joining West in the discussion will be Nancy M. Tischler, professor emerita of English and humanities and co-editor of the letters of Tennessee Williams, and Rhonda Sirlin, assistant professor of English at Queens, CUNY and the author of *William Styron's 'Sophie's Choice': Crime and Punishment*. Dan Walden, professor of American studies, English and comparative literature, will be the moderator.

The lecture is part of the Lives! lecture series sponsored by the Institute for the Arts and Humanistic Studies.

For more information about West's work, please see Focus on Research on page 19.

Hands-on biotechnology courses to begin March 24

Hands-on courses to provide important technical information as well as new ideas and approaches to biotechnology research and development are planned for March 24 through Oct. 20. The Biotechnology and Bioprocessing Training Program, four- and five-day courses, include "Animal Cell Culture Methods and Scale-Up Strategies," "Fermentation Methods and Scale-Up Strategies,"

"Separation and Purification Strategies for Biotechnology Products," and "Practical Aspects of Biological Drug Development." The program is a continuing education service of the Eberly College of Science.

For more information, call (800) PSU-TODAY (778-8632) or visit the Web at <http://www.outrreach.psu.edu/Biotechnology/>

Liberal arts speaker to give two talks

Virginia Valian, professor of psychology and linguistics at Hunter College and the CUNY Graduate Center, will speak on "Parameter-Setting and Cognitive Development" at 7:30 p.m. Thursday, March 19, in 109 Osmond Lab on the University Park campus. The lecture is part of the Language Acquisition Distinguished Speakers Series, sponsored by the College of the Liberal Arts. Valian also will give a talk on her new book, *Why So Slow? The Advancement of Women* (MIT Press, 1998), at noon Friday, March 20, in the HUB Gallery.

For more information contact Judith Kroll, professor of psychology, at jkf@psu.edu or (814) 863-0126.

Probe the ionosphere March 20

Donald T. Farley, professor of electrical engineering at Cornell University, will present the 1998 Arthur H. Waynick Memorial Lecture titled "Probing the Ionosphere with Giant Radars: The Science, the History and a Little Politics," at 8 p.m. Friday, March 20, 112 Walker Building on the University Park campus.

Farley will discuss disturbances of communications and the Global Positioning System (GPS). They have been observed by radar for many decades, but scientists are only now beginning to understand the physics involved.

Farley's research focuses on probing the ionosphere with radar. He is a Fellow of the Institute of Electrical and Electronics Engineers. He also is a member of the International Union of Radio Science (URSI) and the American Geophysical Union.

Workshops give career advancement tips

Two workshops to help faculty members advance in their careers are being offered this spring by the Office for Minority Faculty Development.

■ "Securing Funds Electronically," scheduled for Saturday, March 21, will be the first workshop given. Robert A. Killoren, director of sponsored programs, will discuss how faculty can search for and acquire funding from 9 a.m. to noon in the Computer Lab, 110 Agricultural Sciences and Industries Building on the University Park campus. All faculty are welcome to participate.

■ Blannie Bowen, senior faculty mentor and professor of agricultural and extension education, will discuss "Promotion and Tenure" from 3 to 5 p.m. Friday, April 3, in 114 Kern Building on the University Park campus. All junior faculty are welcome to participate and must register by April 1.

To make reservations for either workshop, contact Tracy Shutka by phone at (814) 863-1663 or by e-mail at tsv6@psu.edu by the deadline stated.

Australian democracy topic of March 24 lecture

Anthea Taylor of Curtin University, Perth, Western Australia, will hold a public seminar on "Democracy: Assimilation or Emancipation for Aboriginal Australians" at 3:45 p.m. Tuesday, March 24, in the Eisenhower Chapel Memorial Lounge, University Park.

Taylor combines exceptional hands-on experience with rigorous academic training and scholarship in matters pertaining to Aboriginal society. She has worked in Western Australia as a teacher, public servant and consultant and among Aboriginal people, focusing on literacy development. Currently at Curtin University, Taylor has published widely on equity, access and literacy issues.

The seminar, which is free to the public, is sponsored by the Australia-New Zealand Studies Center and the University Office of International Programs. For more information, please contact Patricia Corbett by e-mail at pc@psu.edu or by telephone at (814) 863-1603.

Nabisco vice president to give lecture March 24

Joseph C. Andraski, vice president for customer marketing operations with the Sales and Integrated Logistics Co. of Nabisco Inc., will present the 1998 Spisak Lecture in Business Logistics in The Smeal College of Business Administration.

Andraski, named the 1993 Penn State Logistician of the Year, will present "Logistics/Supply Chain Management Imperatives in the Business Environment of the 21st Century" at 7:30 p.m. Tuesday, March 24, in 111 Kern Graduate Center, University Park.

Joining Nabisco in 1974, Andraski served in various managerial capacities until his current appointment in 1995. As vice president for customer marketing operations, he was responsible for the development of Nabisco's efficient customer response initiative.

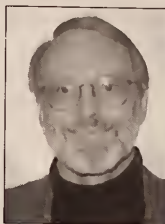
He graduated with honors in 1969 from the University of Scranton with a degree in business management, and received the Frank J. O'Hara Alumni Award for Management in 1994. In 1995, he received the Distinguished Service Award from the Council of Logistics Management, and last year he was honored with the Salzberg Leadership Award by Syracuse University.

The Spisak Lectureship in Business Logistics was founded in 1990 through a gift from the Alex and Ann Spisak family of State College. The fund supports lectures by outstanding professionals working in industries focusing on business logistics.

More Lectures

Examine crossroads of higher education

William F. Massey, president of the Jackson Hole Higher Education Group and research professor at Stanford University, will present "Academic Values and Market Forces — Higher Education at the Crossroads" at the Penn State Forum from 11:30 a.m. to 1 p.m. on Wednesday, March 25, in The Nittany Lion Inn Ballroom, University Park.



WILLIAM F. MASSEY

Massey has been active as a university professor and administrator for more than 25 years. During his 14-year tenure as Stanford's vice president for business and finance and chief financial officer, he developed and pioneered financial management and planning tools that have become standard in the field. His most recent research focuses on faculty roles and



responsibilities, uses of information technology and economic models of institutional behavior.

The Penn State Forum is a luncheon time speakers series sponsored by the Penn State Faculty Staff Club and the Penn State Bookstore. Tickets are \$10 and include lunch. Tables of 10 may be reserved in advance; tickets will be sold at the door on a first-come first-served basis. Lunch begins at 11:30 a.m., followed by the presentation at noon. For more information, call (814) 865-7590.

Lecture explains "Bubble Gum Wars"

Stanley Weintraub, Evan Pugh professor of arts and humanities, will present a slide lecture called "The Bubble Gum Wars" at 3:30 p.m. Wednesday, April 1, in the Rare Books Room of Pattee Library on the University Park campus.



STANLEY WEINTRAUB

The talk will be presented in conjunction with an exhibit titled "Bubble Gum Art Goes to War: Youth Culture and World War II," on display in the University Libraries' Rare Books Room. The trading card series called "The Horrors of War,"

issued between 1938 and 1941, was published as a way to instill in children an understanding of the costs of war. This collection of original art and bubble gum cards was loaned through the generosity of the family of the late Charles Steinbacher.

The exhibit will remain on display through April 30. The Rare Books Room, W342 Pattee Library, is

open from 8 a.m. to 5 p.m., Monday through Friday. For more information, call (814) 865-1793.

Two architects continue Thursday talks

New York architects Karen Fairbanks and Scott Marble are the next speakers in the Department of Architecture's Thursday Night Madness series. Their presentation will be at 8 p.m. Thursday, March 26, in 112 Walker Building on the University Park campus.

The lecture, "Fetch," will address ideas of architecture as "intervention" that "absorbs and reconfigures rather than confronts context." In examining spatial organization, the architects will discuss how changing patterns in spatial manipulation change people's expectations of both architecture and the space surrounding it.

Both Fairbanks and Marble are graduates of Columbia University's master's program and now teach at

Columbia. Fairbanks directs the Barnard and Columbia colleges architecture program and has also taught at Parsons School of Design and Rensselaer Polytechnic Institute. In addition to teaching advanced studios in Columbia's graduate school, Marble edits *Abstract*, the catalog of the Graduate School of Architecture, Planning and Preservation of Columbia University. Both are widely published and the recipients of numerous awards.

Sponsored by the Department of Architecture, the series is a free assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews to students, faculty, staff and interested lay people.

"Celebration of Women" set at New Kensington

Penn State New Kensington will present the eighth annual "A Celebration of Women" from 10:15 a.m. to 2 p.m. Wednesday, March 25. March is National Women's History Month.

The celebration includes special workshops for area high school students to allow them an opportunity to explore creativity and expression in art, poetry and theatre. At 10:15 a.m., local women artists, including two Penn State faculty members, will present "Women in the Arts" seminars. Lillian Coury will present "Acting with Grace." Donna Haas will present "Oriental and Experimental Watercolor Experience," and Judy Lindberg will present "A Room of One's Own: Poetry Workshop."

Penn State will honor three women at special luncheon which begins at 11:45 a.m.: An accomplished Penn State alumna who has gone on to a successful career, and/or has become a respected leader in her field; an outstanding local community leader who has rendered outstanding service; and a Penn State New Kensington student with uncommon scholarship and leadership abilities. The cost of the buffet-style luncheon is \$5.50. Attendees must pre-register for the luncheon.

The public may attend "A Celebration of Women." All events, with the exception of the luncheon, are free. For more information or to make reservations, call (412) 339-6025.

Learn about Australian science and technology policy

John de Laeter, professor emeritus of Curtin University, Perth, Western Australia, will hold a public seminar on "Science and Technology Policy in Australia" at 3:45 p.m. Thursday, March 26, in the Eisenhower Chapel Memorial Lounge on the University Park campus.

De Laeter is a distinguished and internationally recognized physicist, and arguably Australia's most prominent science policy maker and science educator. Currently director of Curtin University's Research Centre for Isotopic Science, he previously served as Curtin's deputy vice chancellor for research and development. He is presently a member of the Australian Science, Technology and Engineering Council; and the Prime Minister's Science and Engineering Council; chair of Western Australia's Technology Precinct Task Force; and a board member of Westralian Sands Ltd.

The seminar, which is free to the public, is sponsored by the Australia-New Zealand Studies Center and the Office of Research Program Development. For more information, call Patricia Corbett at (814) 863-1603 or e-mail pac9@psu.edu.

Astronomy series at Erie features extrasolar planets

Alan Boss of the Carnegie Institute of Washington will lecture on "Extrasolar Planets" at 7:30 p.m. Thursday, March 26, at Penn State Erie. His presentation, the sixth and final lecture of the college's 1997-98 Open House Nights in Astronomy Series, will be in 101 Behrend Science Building. It is free to the public.

Boss is a world-renowned astrophysicist who has made numerous contributions to our understanding of star and planet formation. In his lecture he will discuss the latest observations and his theoretical studies of extrasolar planets.

Astronomers are now able to detect planets in solar systems that resemble, but in many ways are different from, our own. Unlike our own solar systems, where the giant planets formed in the outer regions, the first discoveries of extrasolar planets revealed giant planets orbiting very close to their central stars.

Astronomical observing sponsored by the Astronomy Club and the Society of Physics Students will follow the lecture, weather permitting. For more information, call (814) 898-6105.

Health-care conference, fair set for April 24-25

Health care in the United States is undergoing a metamorphosis. Consumers everywhere are reevaluating traditional diagnostic and treatment methods. Alternative strategies are becoming part of a holistic, multifaceted approach to wellness and healing for many people.

The Alternative Health Care and Integrative Medicine Conference, April 24 and 25, at The Penn State Conference Center Hotel, will take an in-depth look at the clinical application of alternative therapies.

In addition, there will be a free Whole Health Fair on Saturday, April 25, from 10 a.m. to 5 p.m., immediately following the conference at University Park. Speakers will discuss art therapy, chiropractic, energy therapies, massage, acupuncture, spirituality and health, medicinal herbs, nutrition and healing, and yoga.

For more information call (800) PSU-TODAY, (778-8632) or visit the Web at: www.cde.psu.edu/C&I/AlternativeHealthCare/

Conference set for secretaries, office workers

The 42nd Educational Secretaries/Office Personnel Conference will be held April 29-May 1, at The Penn State Conference Center Hotel at University Park. Be a shining star and gain career and personal insights from this continuing education service offered by The Smell College of Business Administration in cooperation with the Pennsylvania Association of Educational Secretaries/Office Personnel.

For fees and more information, call (800) PSU-TODAY, (778-8632) or visit the Web at: www.cde.psu.edu/C&I/EducationalSecretaries/

Faculty/Staff Alerts

Agricultural Sciences Open House

The College of Agricultural Sciences will hold its fifth annual open house for prospective students from 8 a.m. to 4:30 p.m. Saturday, March 21, in the Agricultural Sciences and Industries Building at University Park.

Visitors to the open house can learn about careers in agriculture and related fields and investigate opportunities in the college's 20 undergraduate majors. Academic advising sessions are scheduled to begin at 10 a.m. Exhibits will give details on academic departments, student organizations, ROTC, housing and food services and other aspects of the University.

This year, a special luncheon and advising session for students who have already started their education at a location other than University Park will be held at 12:15 p.m. in Johnston Commons.

For more information about the open house, contact the Office for Undergraduate Education at (814) 865-7521.

International Women's Day

The celebration and observance of the 1998 International Women's Day is set for Sunday, March 22, at the Paul Robeson Cultural Center on the University Park campus from 4-6 p.m. The theme around the world for this year's celebration is "Women's Human Rights."

All women and their families are invited to share the day with people around the world by bringing a pot-luck main dish or vegetable which serves 4-5 people to the celebration. Also, a 3"x5" card with the recipe of the dish you are providing is needed. Beverages will be provided.

For more information on this event, contact the Office of the Vice Provost for Educational Equity at (814) 865-1683.

Diving classes

Age group springboard diving classes are being offered this spring at McCoy Natatorium on the University Park campus. Classes will address all levels of diving from beginner to advanced and are offered early evenings on Mondays and Wednesdays beginning March 23. A new Saturday morning class, "Learn to Dive," begins April 11. For more information, call Jon Larson at (814) 865-1432.

Vietnam Fulbright program

The U.S. Information Agency recently announced a new Fulbright Scholar program in Vietnam for 1998-99, with plans to have up to six scholars in Vietnam by September 1998.

Five of the awards are open to scholars in the following fields: American studies or American history; international and agricultural economics; law, with a preference for specialists in commercial, international and environmental law; and environmental policy, especially for those with expertise in the protection of marine environments. There may be some opportunities for awardees to engage in collaborative research.

The sixth award is in the field of higher education administration. Applicants should be senior administrators or senior scholars in this field with extensive international consulting experience. The award recipient will advise the Ministry of Education and Training and conduct workshops on U.S. higher education models and on planning and implementing higher education reform.

Fulbright awards to Vietnam this year are not open to scholars in other fields and there are no research awards.

For more information, contact Penn State's Office of International Programs at (814) 865-0414 or David Adams, Fulbright program officer for Vietnam at (202) 686-4021 or by mail at: dadams@cies.ie.org. The deadline for applications is April 1.

Take Our Daughters to Work

Brochures for Take Our Daughters to Work Day will soon be delivered to all University Park employees. This program, developed by the Commission for Women, is geared toward girls in 6th through 12th grade and provides an opportunity for the girls to visit various career sites on campus. Cost is \$10 per girl (no cost for parent or mentor) and the registration deadline is April 6. For more information, contact Debbie Meder at (814) 865-1821 or dmm4@psu.edu.

Commission for Women seeking new members

Nominations, including self-nominations, for members of the Commission for Women are currently being accepted. The Commission for Women serves as an advisory group to the president, recommending policies and programs that enhance the University's working and learning environments. In the past, the commission has played a major role in establishing the Administrative Fellows Program, the Center for Women Students, upgrading child care, supporting salary equity and sponsoring speakers and programs to advance women. Applications can be obtained in the commission office at 311 Grange Building on the University Park campus or by calling (814) 863-7696. Membership is open to anyone within the University community, at all locations. The nomination deadline is Wednesday, April 15. For more information on the commission, visit the Web at <http://www.lions.psu.edu/cfw/>.

Annual AAUW book sale

A book sale featuring more than 10,000 books, wall maps and records will be held from 9 a.m. to 9 p.m. daily from April 4 through 8 on the University Park campus. The sale, organized by the American Association of University Women, State College Branch, will take place in the Fishbowl and Ballroom of the Hetzel Union Building. Proceeds from the sale go toward fellowships and educational projects.

Your shoes are needed

In a search for cultural artifacts, the Paul Robeson Cultural Center and Residence Life need shoes for part of a planned exhibit in spring 1998. Faculty and staff are asked to contribute shoes — from the unique and unusual to the common. Shoes tell stories ... stories which unite and define us as a people. Contributors should also tell exhibit planners what stories their shoes tell.

Some shoes that could prove interesting would be Native American moccasins, ballet slippers, earth shoes, majorette boots, show shoes, cowboy boots, sport shoes, hunting boots, military shoes, antique shoes or ethnic footwear of all types.

The exhibit will be in the cultural center and

shared in the Residence Hall Cultural Lounges. A reception is scheduled for Friday, April 17. Questions and contributions should be sent to Cyndi Freeman Fall at cf1@psu.edu or 135 Boucke, or Shar Marbury at srm1@psu.edu at the cultural center. All contributions must be accompanied by a story. Shoes will be returned in May.

Staff Advisory Committee

The Staff Advisory Committee, which serves as an advisory group to central administration, is seeking nominations — including self-nominations — for membership. Membership includes exempt and non-exempt staff from throughout the University system. Members are appointed to serve three-year terms.

The Staff Advisory Committee values diversity in its membership and is actively seeking a broad base of nominations from all locations.

Nomination forms or additional information may be obtained from Carol Griffin at (814) 863-6188 or cjg3@psu.edu, or on the Office of Human Resources home page on the Web at <http://www.ohr.psu.edu/welcome/welcome.htm>. Click on "Documents," and then "Staff Advisory Committee." The nomination deadline is April 17.

"Relay for Life"

The annual 24-hour "Relay for Life" is seeking individuals to participate. Teams from the University community for the June 6-7 walk/run in the Centre Region, which raises money to help fight cancer, are being sought. Last year the event raised \$78,000.

Anyone interested in participating in this event, sponsored by the American Cancer Society, should call the Relay Hotline at (814) 231-2585 for more information on registration, times and location.

Seeking members

Interested in reviving the Anthracite League, Sharon Falcone Miller from the Coal Utilization Lab at University Park is seeking past and new members.

Historically, the purpose of the Anthracite League was as an informal forum for individuals from the Anthracite Region of Pennsylvania to gather and discuss the history, culture and curiosities of the region. The league has featured guest speakers from industry, academic institutions, artists, local historical societies, as well as collectors of material of historical and current interest to the Anthracite Region. Membership is free and is not limited to Penn State employees. Meetings are planned monthly over lunch and should last approximately an hour. Anyone interested should contact Miller by phone at (814) 863-8893 or by e-mail at sfm1@psu.edu.

National recognition for undergraduate accomplishments

Do you know of any Penn State undergraduates who have won a national award, had an invention patented, or a paper accepted by a national convention, or have been publicized in a national magazine for their achievements? Please send details of these or any other kinds of national recognition for undergraduates to Mary Gage through e-mail at hmg1@psu.edu; by telephone at (814) 863-8199; or stop in the Undergraduate Fellowships Office, 312 Willard Building, University Park. Gage is compiling a list of Penn State undergraduates' national awards and achievements from 1993-94 until now, and would be happy to receive information and also to share it with anyone who is interested.



Tidying up

Gary Shilcosky, landscape maintenance worker in the Office of Physical Plant, runs a vacuum on the steps of Schwab Auditorium on the University Park campus. The vacuum picks up debris blown into corners by winter winds.

Photo: Greg Grieco

Summer educational programs to be offered

Several summer science education programs are being offered for junior high and high school students on the University Park campus. They include:

■ SOARS

A NASA-related two-week research program for 10th- and 11th-graders who have had Algebra II. This residential program will be held from June 21-July 3. Cost: \$250, scholarships available. Application deadline is March 20. Sponsored by the Pennsylvania Space Grant Consortium, Eberly College of Science, and the colleges of Agricultural Sciences, Earth and Mineral Sciences and Engineering. Contact Geraldine Russell at (814) 863-7688 or PaSpace@psu.edu for a fax application.

■ WISE Week

One-week residential career awareness program for 11th-grade girls interested in either science/health or engineering. July 19-25, cost \$295, scholarships available. Application deadline is April 15. Sponsored by the WISE Institute, the Equal Opportunity Planning Committee and six colleges of the University. Contact Katie Rung at the WISE Institute, (814) 865-3342 or exg1@psu.edu.

■ Science in the Caribbean

A nine-day field research program in Puerto Rico for 11th-grade girls interested in environmental fieldwork, including marine sciences, biology,

astronomy, geology and natural history. Residential program in Arico and Culebra, Puerto Rico, June 20-28. Housing in four-person tents. Cost: free, but students are responsible for transportation, some travel scholarships available. Application deadline is April 8. Sponsored by the Pennsylvania Space Grant Consortium in collaboration with the Puerto Rico Space Grant Consortium at the University of Puerto Rico, Mayaguez. Contact Richard Devon at (814) 863-7688 or PaSpace@psu.edu.

■ Nittany Science Camp for Girls

One-week day camp for girls entering sixth or seventh grade. Hands-on design engineering, lake and water studies, team-building activities, geology and science demonstrations by female scientists. Activities led by local science teachers. Session I: July 6-10; Session II: July 13-17. Cost: \$150 per session, scholarships available. Held at Stone Valley Recreation Area, transportation from State College arranged or provided. Application deadline is April 15. Sponsored by the College of Earth and Mineral Sciences, Kieve Affective Education Inc., the Equal Opportunity Planning Committee, the Pennsylvania Space Grant Consortium and the WISE Institute.

For an application or more information contact: Earth and Mineral Sciences Student Center, (814) 863-2751 or jbh3@psu.edu or tas11@psu.edu

Occupational therapy degree at DuBois is fully accredited

Penn State DuBois' associate degree in occupational therapy has been fully accredited following a complete on-site review by the Accreditation Council of Occupational Therapy Education of the American Occupational Therapy Association. The American Occupational Therapy Association is the regulatory body of the occupational therapy profession. The accreditation, which is effective for seven years, cites 12 areas of commendation and no deficiencies for the DuBois program.

Program Coordinator Dorothy "Doadi" Davis said that accreditation is the association's way of maintaining a high standard of knowledge and skills among certified occupational therapy professionals. An in-depth report after the on-site visit noted that the program greatly exceeded the association's standards. Only graduates of accredited programs are eligible to sit for the occupational therapy assistant certification examination.

Occupational therapy program opened in August 1996 in direct response to the region's growing demand for certified occupational therapy assistants. These highly skilled health care professionals work under the supervision of an occupational therapist to deliver therapies and treatments to people that can help them overcome a wide spectrum of mental, emotional and physical disabilities and improve their quality of life. Today, the program offers a broad educational experience designed to develop a complete and highly competent professional who is prepared to move directly into the work force.

A fully staffed faculty delivers instruction through classroom lectures and discussions, hands-on laboratory experience and collaborative learning opportunities. Real world experience is provided under professional supervision through clinical affiliations in partnership with more than 40 regional and 400 national occupational therapy care providers in a variety of set-

Courses

To register for the following program offerings on the University Park campus, please see your *Health Matters* brochure or contact Jan Hawbaker at (814) 863-3085, or jhb3@psu.edu.

■ Safe Food (part of the Non-Toxic Home Series) — WEL 140

Learn how certain types of ingredients found in foods affect your well-being. Meets Monday, March 30, from noon-1 p.m., 110 Henderson Building (The Living Center). Cost is \$5 for each class or \$15 for the entire series.

■ Good Grief (EAP/Wellness Discussion) — WEL 144

This workshop explores not only the stages of grief, but concrete ways to turn grief into growth. Meets Thursday, March 19, from 3-4 p.m. in 102 HHD East. No cost.

■ Understanding Your EAP — WEL 048

An introduction to Penn State's EAP as a confidential and beneficial resource. Meets Tuesday, March 24, 1:30-2:15 p.m. in 520 Rider Building. No cost.

■ EAP: The Supervisor's Role — WEL 105

Meets Tuesday, March 24, 1:30-3 p.m., 520 Rider Building. No cost.

ARTS & ENTERTAINMENT

AT PENN STATE



On stage

The Pirates of Penzance will play at 8 p.m. March 26-29, with a 2:30 p.m. matinee on March 29, at Penn State Erie.

Wintergarden Series

Music at Noon: The Logan Wintergarden Series continues Friday, March 20, with a lunchtime performance by The Crossdown Trio, an eclectic ensemble that includes electric guitar, classical guitar and flute. The performance in the Wintergarden at Penn State Erie is free to the public, and guests may bring a brown-bag lunch.

The Crossdown Trio includes three young virtuoso performers: classical guitarist Andrew Leonard, jazz guitarist Tom Dempsey and flutist Christine Fish. For more information, call (814) 898-6159.

Odyssey on WPSU

On "Queen Nzinga & Portuguese," the next episode of Odyssey Through Literature, host Leonard Rubinstein and Gerald Moser, professor emeritus of Spanish and Portuguese, discuss Portuguese influence on African Literature. Moser is the author of several books, including *Essays in Portuguese African Literature*.

Odyssey Through Literature is a continuing education service of the Department of Comparative Literature. It airs Sundays at 6:30 p.m. on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania.

One-man show

Penn State Hazleton will host a one-man performance by Michael Fowlin called "This is Our Story" which explores the issues of race, gender, discrimination and unity, at 8 p.m. Tues-

day, March 24, at the Classroom Building. The event is free to the public.

Fowlin's presentation involves 10 different characters who reflect on their own identity issues as they relate to bias and discrimination.

For more information, call (717) 450-3179.

One-act plays

Penn State Berks and Penn State Lehigh Valley will present their first co-production, featuring two absurdist one-act plays.

Lehigh Valley will present Arthur Kopit's "Chamber Music," directed by Janice Pope; and Berks will present Harold Pinter's "The Room," directed by D. Roger Dixon. Pope and Dixon are assistant professors of theatre arts. Together, the plays will be performed at both locations for a two-week run.

The performance schedule is: Penn State Lehigh Valley, 8 p.m. March 25, 26, 27 and 28; and Berks, 8 p.m. April 2, 3 and 4, and 2 p.m. April 5.

The plays should be considered PG 13. Some material in both plays is unsuitable for children. Tickets are \$6 for adults and \$4 for students. Call Lehigh Valley at (610) 285-5062 or Berks at (610) 396-6371 to order tickets.

Bach's Lunch

The Penn State Mallet Ensemble will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, March 26, in the Helen Eakin Eisenhower Chapel on the University Park campus. In the event of bad weather, the concert will

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Pirates of Penzance

This spring the theatre students at Penn State Erie will step out of the intimate Studio Theatre and into the Reed Union Building Commons for The Pirates of Penzance, a musical comedy. The production is set for 8 p.m. March 26, 27, 28 and 29, with an additional performance at 2:30 p.m. March 29.

The production is directed by Tony Elliot, lecturer in theatre.

Jazz quartet

Penn State Berks and Penn State Lehigh Valley will present a jazz performance of the Eric Mintel Quartet at 7:30 p.m. Wednesday, April 1, in Berks campus' Perkins Student Center Theatre and at noon the same day in the Lehigh Valley campus Atrium.

Jazz may be making its comeback after nearly seven decades, but for pianist and composer Eric Mintel, jazz has never really faded from the music scene. His goal is to bring jazz to the mainstream audience. Other members of the group include George Hrab on drums, Nick Roberts on bass and Harvey Orkin on alto sax.

Admission is free to the public. For more information, call Doreen Fisher at Berks at (610) 396-6067 or Suzanne Preston at Lehigh Valley at (610) 285-5021.

Ceramics on display

David Dontigny will display his terra cotta plates in the Hetzel Union Building's Formal Gallery on the University Park campus through April 25.

Dontigny, who founded Penn State's ceramic department and headed this division in the School of Visual Arts for 20 years before his retirement, considers these ceramic plates to be a combination of early American pottery's strength of character and Japanese ceramics' sensitivity.

The public may attend a reception to meet the artist from 4 to 6 p.m. Thursday, April 16, in the HUB Formal Gallery.

Grand Funk Railroad

Veteran rock band Grand Funk Railroad, who ruled as the American "power trio" band throughout the 1970s, will play at the Community Arts Center in Williamsport, part of Penn College, on Sunday, April 26.

Grand Funk Railroad built an audience one live performance at a time. Starting in the summer of 1969, they played festival after festival until the recording labels could no longer ignore them.

The trio of Mark Farner on guitar, Mel Schacher on bass and Don Brewer on drums pounded its way through the early 1970s with hits like "We're an American Band" and "The Loco-



BYRCE JORDAN CENTER

Blige to appear

Mary J. Blige, the reigning queen of hip hop soul, and Usher, R&B's newest sensation, with special guest Next, will appear at The Bryce Jordan Center at 7 p.m. Sunday, April 5. Tickets are \$35.75 for reserved seating.

Blige won a 1994 Grammy Award for her duet with Method Man (of Wu-Tang Clan), "I'll Be There For You/You're All That I Need."

Joining Blige is 18-year-old Usher, whose 1997 release "My Way" has remained at the top of the charts. His single "Nice And Slow" is currently No. 1 on Billboard's R&B singles chart.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected University outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc-psu.edu/>.

several times in the 1980s, the band reunited in 1997.

Tickets are \$30, \$24.50 and \$19.50.

For more information, call the Community Arts Center box office at (717) 326-2424 or its NAC Omni line at (800) 432-9382.

Exhibit at Mont Alto

Gettysburg resident Andrea Theisson closes the 1997-98 season of Penn State Mont Alto's "How to Hoot and Toot, Howl and Scowl, Plink and Plunk and Call It Art!" series with an exhibit through May 1 at the Penn State Mont Alto Library.

After recently receiving a fellowship/grant awarded by the Vermont Studio Center, Theisson was inspired to paint the works to be displayed in this exhibit, titled, "Reverse to Ip Refuge and Renewal, New Work from Vermont Mountains." She describes this series of pieces as "...a triumph over personal losses, natural disaster and depletion."

Art exhibit at Berks

The Berks County Intermediate Unit will sponsor its annual high school art exhibit at Penn State Berks' Freyberger Gallery from April 29-May 7.

This exhibit features works from the art departments of secondary schools throughout Berks County and includes a variety of media. Awards will be presented in the different categories.

Admission is free to the public. Refreshments will be served at a public reception in the Freyberger Gallery from 6:30 to 8:30 p.m. Wednesday, April 29.

For more information, call the Community Arts Center at (610) 396-6067.

University Awards 1998

INTERCOM SPECIAL SECTION

The Faculty/Staff Awards Ceremony will be held at 3 p.m. Sunday, March 22, in Dean's Hall at The Penn Stater Conference Center Hotel on the University Park campus. The Student Awards Ceremony begins at 1:30 p.m. the same day, in President's Hall at the Penn Stater.

March 19, 1998

Volume 5, Number 1

Four faculty members to be honored with Atherton Award for Excellence in Teaching

Four University faculty members will receive the 1998 George W. Atherton Award for Excellence in Teaching. They are: Douglas K. Brown, assistant professor of mathematics, Penn State Altoona; Bohdan T. Kulakowski, professor of mechanical engineering, University Park; Dinty W. Moore, associate professor of English, Penn State Altoona; and Robin G. Schulze, assistant professor of English, University Park.

The award, named after Penn State's seventh president, was established in 1989 as a continuation of the AMOCO Foundation Award. It honors excellence in teaching at the undergraduate level.

The award, named after Penn State's seventh president, was established in 1989 as a continuation of the AMOCO Foundation Award. It honors excellence in teaching at the undergraduate level.

Brown is an enthusiastic, caring, generous teacher of mathematics who spends many hours with students both in and outside the classroom, helping them to comprehend what for many is a difficult subject. Students and faculty alike cite the exceptional clarity of his lectures.

...the thoroughness with which he demonstrates problem solving, and his relaxed, quiet humor. In addition to teaching, Brown has developed and implemented a data-driven approach to teaching a calculus course to business and life science majors, which he is now fine-tuning for future use.

Brown says the driving force behind his teaching "is the desire to give my students what they deserve: my respect, my time and attention, and my best efforts." He wants his students to master the technical content of his courses and also to become familiar "with the processes of thought and problem solving embodied in math-



DOUGLAS K. BROWN



BOHDAN T. KULAKOWSKI



DINTY W. MOORE



ROBIN G. SCHULZE

ematics" — essential in math but valuable in all disciplines. Brown has a Ph.D. degree in mathematics from Penn State and a B.A. degree in liberal arts with a concentration in mathematics from Sarah Lawrence College.

Kulakowski, co-author of a widely used textbook, *Dynamic Modeling and Control of Engineering Systems*, is an outstanding teacher who integrates theory and practice by providing hands-on experiences for students in the classroom and the lab. Winner of the Penn State Engineering Society's premier teaching and outstanding teaching awards, as well as a "Teacher of the Year" award from the University's mechanical engineering department, Kulakowski has been a leader in developing new curriculum. He created a new laboratory in the department, the automatic control lab, which is used for our undergraduate class and several graduate classes.

Kulakowski says, "Teaching alone, no matter how brilliant it may appear to us teachers, is meaningless and useless if it is not accompanied by learning." Director of the Pennsylvania Trans-

portation Institute, Kulakowski has a Ph.D. degree from the Polish Academy of Sciences and an M.S. degree from Warsaw Technical University.

Moore, a writer of many short stories, poems and articles and books on Internet culture and Buddhism in America, is a dedicated, popular instructor who has inspired many students to take a serious interest in creative writing. In addition to his efforts in the classroom, Moore works hard to enrich the students' experience and appreciation of writing by bringing nationally known authors to Penn State Altoona, organizing local poetry reading competitions, and working on the campus literary magazine.

Moore says his goal is to teach students to "wrestle the hypothetical question, grapple with the seeming contradiction, and to eventually realize for themselves the joy of discovery and the excitement of communication." When students realize they have ideas worth relating and want to communicate them clearly and forcefully, he adds, "the 'theory of writing suddenly makes sense, and [their progress] can be sudden and remarkable." Moore has a master of fine arts degree in fiction from Louisiana State University and a B.A. degree in English from the University of Pittsburgh.

Schulze, the author of a book about the friendship between poets Marianne Moore and Wallace Stevens and a forthcoming edition of Moore's early verse, is a lively, demanding, extremely accessible and hard-working teacher. Her goal is not only to teach students to read and understand literature but also to help them write clearly and well. She invests a great deal of time in preparing each course and in helping students improve their writing through carefully written critiques and one-on-one meetings.

In her classes, Schulze demands that each student contribute in some way to class discussion. Schulze admits she is a "maniac" about the written word. "I believe passionately in the power and ethical value of elegant prose and I spend a good deal of time in my office tutoring each of my students in the intricacies of clean argumentative writing."

Schulze has Ph.D. and M.A. degrees in English from the University of Michigan, Ann Arbor, a master's degree in music from the University of Michigan and a B.A. degree in music/history from Yale University.

Jurs earns President's Award for Excellence in Academic Integration

Peter C. Jurs, professor of chemistry, has been selected to receive the President's Award for Excellence in Academic Integration. The award was established last year to recognize excellence in the integration of teaching, research and service.

Jurs joined the University faculty in 1969 as assistant professor of chemistry after having received his Ph.D. from the University of Washington, Seattle. He was promoted to associate professor in 1972 and professor in 1978. In the Department of Chemistry, he has served as assistant head for graduate education from 1987 to 1989 and currently is assistant head for undergraduate education. He was a visiting faculty member at Stanford University in 1975 and 1977. He served as program director for chemical analysis in the Chemistry Division of the National Science Foundation during 1983-1984.

Jurs is a Fellow of the American Association for the Advancement of Science and has been active in the American Chemical Society, serving as an elected councilor for the Computer Division and serving on a number of national committees. He received the A.C.S. Award for Computers in Chemistry in 1990, and also received the 1995 C. I. Noll Award

for Outstanding Undergraduate Teaching in the Eberly College of Science.

A popular speaker, Jurs has presented more than 150 invited talks dealing with his research in computational chemistry and analytical chemistry. He is the author of approximately 220 publications in the primary scientific literature and has supervised 46 advanced degree students in chemistry.

His research interests include the application of computer methods to chemical and biological problems. He has been actively involved in structure-property relationship studies, including prediction of physical, chemical and analytical properties of organic compounds; and structure-activity relationship studies of biologically active compounds. Recent work also includes a collaboration aimed at



PETER C. JURs

developing an artificial nose using fiber-optic sensor arrays for detection of volatile organic analytes.

Jurs has served on a number of editorial and advisory boards and currently is a member of the editorial boards of the *Journal of Medicinal Chemistry*, *Intelligence Instruments and Computers*, *ChemTech* and *Chemical Analysis*.

His teaching responsibilities at Penn State have included courses ranging from introductory chemistry through advanced undergraduate courses to graduate courses in analytical chemistry. He published a textbook titled *Computer Software Applications in Chemistry* which is an outgrowth of a course he developed. He has been heavily involved in recent reforms of Penn State's introductory chemistry courses.

Jurs has played an active role in University governance, serving as a member of the University Faculty Senate since 1979. He has been a member of the Faculty Senate Council since 1988, and was Senate chair in 1995-1996.

He also serves as a member of the University Planning Council, the Faculty-Staff Club Board of Directors and the World Campus Steering Committee. In 1995, he represented Penn State as a Fellow in the CIC Academic Leadership Program.

Alumni Teaching Fellow Award bestowed upon Kernoff Mansfield

Phyllis Kernoff Mansfield, professor of women's studies and health education, will receive the Alumni Teaching Fellow Award, established by the Penn State Alumni Association, Undergraduate Student Government and the Graduate Student Association. The award honors distinguished teaching and encourages teaching excellence.

Mansfield, who has taught a variety of undergraduate and graduate courses in women's studies, nursing and health education, is credited with introducing the topics of women's health and human reproduction to the Penn State curriculum. Colleagues describe her teaching style as one characterized by a flexibility that keeps classroom sessions open to discussion and encourages students to connect women's studies scholarship and feminist theory to their own experiences.

"I want students to remain open to the material they are reading and hearing and then apply what they learn to their own lives," she said. "I am striving for them to grow intellectually and personally. I continually try to improve my ability for knowing which questions will best challenge students, move their thinking forward, and help in the transformative process. Sometimes my goal is simply to show how diverse our views are on highly controversial issues."

The strength of her classroom teaching is demonstrated by the num-



PHYLLIS KERNOFF MANSFIELD

ber of students from a wide range of disciplines who enroll in her courses. One of her students in an introductory course noted that "Phyllis Mansfield is the epitome of excellence in teaching and her class is, without a doubt, one of the most rewarding I have ever taken."

Mansfield joined the University faculty in 1983 as an assistant professor in the Department of Nursing. She was named associate professor of health education and women's studies in 1989 and professor of women's studies and health education in 1994. As a member of the health education faculty, she received the Dorothy Jones Barnes Teaching Award in the College of Health and Human Development.

In addition to her classroom work, she is known as an outstanding adviser and professional mentor. She works with a large group of undergraduate research assistants in an independent studies class each year. During the past year she served on 18 graduate advising or thesis committees, chairing eight of them. As one graduate student noted, "Students regularly pursue independent studies and research with Dr. Mansfield after taking her courses."

Mansfield also has played a major role in curriculum development through her work on department, program and college curriculum committees. During her tenure at Penn State, she has created nine new courses in four different academic units.

Inaugural Award for Faculty Outreach presented to Haider

Jawaid Haider, professor of architecture and interim head of the Department of Architecture, will receive the first-ever Penn State Award for Faculty Outreach. The award was established to recognize faculty members who have extended their scholarship to external constituents resulting in a significant outcome for individuals, organizations or communities.

Haider was cited for outstanding contributions to outreach through his expertise in the design of buildings and spaces for children, particularly children's museums.

His research program and outreach initiatives are credited with helping to create much-needed awareness of children's architectural needs on a national and international level through television and publication.

He has received several major grants for his architectural research, including grants from the Design Arts Program of the National Endowment for the Arts. For the NEA grant, two versions of a documentary have been produced. The shorter version, "Architecture and Museums," targets the professional design community. The videotape is being distributed nationally and internationally through Penn State Audio-Visual Services and Media Sales, as well as the American Institute of Architects.



JAWAID HAIDER

The longer version, "Architecture and Children's Museums: Through the Looking Glass," already has reached several million people through telecast on more than 60 public television stations throughout the country.

Haider is recognized as a resource person by the American Association of Youth Museums and

is viewed as one of a handful of authorities on architectural design as it applies to children's museums and other learning facilities. He currently is updating his research for a book, tentatively titled *Designing Children's Spaces: Practical Lessons from the World's Most Successful Children's Museums*, to be published next year.

He has practiced and taught architecture in Germany, Pakistan, Turkey and the United States. He served on the University faculty from 1984-87 and received his Ph.D. from Penn State in 1986. He rejoined the faculty as associate professor of architecture in 1989 after serving as chairman of the Department of Architecture and Planning at Dawood College of Engineering and Technology, Karachi, Pakistan.

Haider also was vice president and a member of the steering committee of the newly established Children's Museum of Centre County. He currently is a member of the museum's board of trustees.

Two cited with award for distinguished teaching

Thomas A. Litzinger, director of the Leonhard Center and professor of mechanical engineering, and Peter A. Thrower, professor of materials science and engineering, have been named recipients of the 1998 Milton S. Eisenhower Award for Distinguished Teaching.

Litzinger is known for his ability to transform traditional class lectures into group learning activities. Students learn the principles of thermodynamics by designing — and taking apart — engines. From leaf blower, to lawnmower, to steam power plant, students come to understand the practical applications that extend beyond the theory.

Litzinger earned his B.S. in nuclear engineering from Penn State and served as a student marshal for the College of Engineering in 1977. After four years with General Electric, Litzinger earned his Ph.D. in mechanical and aerospace engineering from Princeton University. In 1985 he joined Penn State's faculty.

Recipient of a National Science Foundation Presidential Young Investigator Award and a Penn State Outstanding Research Award, Litzinger also served as the local principal investigator for the Engineering Coalition of Schools for Excellence in Education and Leadership. He was named director of Penn State's Leonhard Center for the Enhancement of Engineering Education on July 1, 1997.

"You don't feel pressured to learn the material to take an exam. Rather, you learn it because you



THOMAS A. LITZINGER

would do so much to encourage and assist his students."

With British accent and quips about American culture mixed in, Thrower has taught more than 10,000 students the applied principles of modern materials science. His enthusiasm for the subject matter and dedication to undergraduate education over the last 10 years led him to develop the course and author the text, *Materials in Today's World*. The book has become one of the premier university texts on materials science for non-specialists.

Thrower earned his B.A. in physics from the University of Cambridge, where he went on to receive his M.A. in 1963 and his Ph.D. in 1969. He

interest is sparked and it makes you think," commented one student. "For the benefit of those of us who never had hands-on experience with an engine, Dr. Litzinger arranged a Saturday workshop where students could completely take apart and put back together a lawn mower engine," said another student.

"Never before have I had a teacher who



PETER A. THROWER

served as a scientific officer for the United Kingdom Atomic Energy Authority before joining the faculty at Penn State in 1969. Since 1980, Thrower has served as graduate programs coordinator for the Department of Materials Science and Engineering.

"Dr. Thrower has an amazingly creative way of incorporating life in the course content," commented one student. "This included the nuts and bolts of airplanes, the simultaneity of atom movement to beer bubbles and choosing the perfect diamond." Undergraduate and graduate students alike see him as a teacher always willing to make the time when a student needed help.

The Milton S. Eisenhower Award for Distinguished Teaching recognizes outstanding efforts among Penn State's tenured faculty, employed full time for at least five years, with undergraduate teaching as a major portion of their duties. Milton S. Eisenhower was president of Penn State from 1950 to 1956.

Administrative Excellence Award given to Great Valley's CEO

Madlyn L. Hanes, campus executive officer at Penn State Great Valley and associate dean of the Graduate School, has been named recipient of the Award for Administrative Excellence. The award is given annually to staff members whose performance methods and achievements exemplify administrative excellence.

Hanes joined the University in 1988 as director of academic affairs at Penn State Delaware County. Before her present appointment, she served as academic officer at both the Delaware County and Great Valley campuses during the 1995-96 academic year and as the interim campus executive officer at Penn State Great Valley in 1997.

During her tenure at Delaware County, four new baccalaureate degree programs were established. Included was the program in Urban Early and Middle Childhood Education, which involved the campus, the College of Education and the Philadelphia Area School District.

Hanes was cited by colleagues for "being able to anticipate potential problems and suggest helpful problem-prevention measures that have served the University very well." In the area of faculty development, she is described as an "untiring and inventive leader of the campus faculty, whose efforts for educational and scholarly excellence she unfailingly encourages and supports."



MADLYN L. HANES

Faculty members received University-wide teaching awards every year during her tenure at Delaware County. Faculty members there have been the recipients of 11 awards for distinguished teaching, and in past three years have received two of these awards annually.

"The hallmark of her work in this area," one colleague said, "was her ability to recognize previously unheralded but exceptionally competent performers. She has insisted that all be good teachers, at a minimum, and that all aspire to excellence."

Hanes also has worked with faculty to secure grants from private and public sources.

She holds three degrees, including a Ph.D. in curriculum and instruction, from the University of Florida. She is a licensed speech pathologist with the American Speech-Language-Hearing Association. Before joining Penn State, she was director of graduate studies and head of the graduate clinical program in reading in the Department of Instruction and Teacher Education at the University of South Carolina.

The author of two books and numerous publications in academic journals, she has served as an evaluation, curriculum and management consultant to numerous public schools, state and postsecondary education agencies. Her international work includes a special appointment to the University Council of Jamaica by the prime minister from 1987-89.

Norgren lauded with Palmer Mentoring Award

Ralph Norgren, professor of behavioral science, neuroscience and psychology in the College of Medicine at The Milton S. Hershey Medical Center, has been selected to receive the Howard B. Palmer Faculty Mentoring Award. The award recognizes faculty members who most effectively promote the collegial and professional development of junior faculty.



RALPH NORGREN

Norgren, a member of the college since 1983, is a specialist in the neural basis of motivation, specifically taste and ingestive behavior. His teaching interests include motivation, sensory physiology, particularly taste, olfaction and visceral sensitivity; physiological psychology; motivation and emotion; and comparative psychology.

He has received numerous professional honors, including the National Institute of Mental Health Research Scientist Award; the National Institute of Deafness and Other Communicative Disorders Claude Pepper Award; and the Association for Chemoreception Sciences Award for Research in Taste. A fellow of the American Psychological Society and the American Association for the Advancement of Science, he has written or co-written 100 scholarly articles.

Recalling Norgren's assistance as a post-doctoral mentor, a professor writes, "He challenged me intellectually and pushed me to do my best work. His scholarly, incisive mind was evident in the manuscripts we wrote. I have the utmost respect for Ralph as a person and as a scientist and I am truly grateful for all that he has done to advance my career."

The Palmer Faculty Mentoring Award is named for Howard B. Palmer, senior associate dean of the Graduate School from 1985 until his retirement in 1991.

Four University faculty members to receive Faculty Scholar Medals for Outstanding Achievements

Four Penn State faculty members will receive 1997-98 Faculty Scholar Medals for Outstanding Achievement. They are: James L. W. West III, distinguished professor of English, for the Arts and Humanities Medal; Jerry L. Workman, associate professor of biochemistry and molecular biology, for the Life and Health Sciences Medal; Wolfgang E. Ernst, professor of physics and chemistry, for the Physical Sciences Medal; and Lynn S. Liben, professor and head of psychology, for the Social and Behavioral Sciences.

Established in 1980, the award recognizes

Established in 1980, the award recognizes scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme.

scholarly or creative excellence represented by a single contribution or a series of contributions around a coherent theme. A committee of faculty peers reviews nominations and selects candidates.

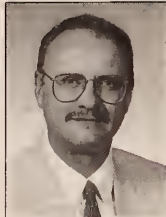
West's publication of *William Styron, A Life* (Random House 1998), caps a five-year period of extraordinary productivity and achievement. His eminence as an editor, textual theorist, biographer and critic of 20th-century American

literature are evident in his University of Pennsylvania Press edition of *Jennie Gerhardt* by Theodore Dreiser (1992); Duke University Press edition of *Inheritance of Night: Early Drafts of Lie Down in Darkness* by William Styron (1993); Cambridge University Press edition of *This Side of Paradise* by F. Scott Fitzgerald (1997) and *A Life*.

West received a B.A. and a Ph.D. in English from the University of South Carolina in 1968 and 1971 respectively. His first position was as an instructor at Virginia Tech in 1971 and he attained the rank of professor there in 1983. In 1986 he came to Penn State as professor of English and in 1992 was

named distinguished professor. In that same year, he became director of Penn State's Center for the History of the Book.

West received the Fredson Bowers Memorial Prize for a Distinguished Essay on Textual Scholarship from the Society for Textual Scholarship in 1991. He was a Guggenheim Fellow in 1985-86 and is the recipient of many awards and grants from the National Endowment for the Humanities and has been a visiting scholar or fellow at the National Humanities Center, University of Pennsylvania, Cambridge University, University



JERRY L. WORKMAN

and contains the genes.

He received his B.S. in biological science from Northern Illinois University in 1979 and his Ph.D. in Cell and Molecular Biology from the University of Michigan in 1985. From 1985 to 1988 he was a postdoctoral scientist at the Laboratory of Biochemistry and Molecular Biology at Rockefeller University. From 1988 to 1991 he was a research fellow in molecular biology at Massachusetts General Hospital and a research fellow in genetics at Harvard Medical School. He joined Penn State's faculty in 1992 as an assistant professor of biochemistry and molecular biology and became an associate professor in 1996. In 1997 he was named an associate investigator for the Howard Hughes Medical Institute.

Workman has been a member of the editorial board of *Molecular and Cell Biology* and in 1998 became editor of that journal. In 1997 he became an honorary lifetime member of the Japanese Biochemical Society and in 1998 was selected as a Stohlmann Scholar of the Leukemia Society. He has served on numerous review panels and published 54 scientific manuscripts. He has been an invited speaker at 36 international conferences and at 83 seminars at universities and research institutes.



WOLFGANG E. ERNST

of Liege and American Academy in Rome.

Workman receives his medal for seminal observations on the biochemical mechanism of how gene expression is regulated in the living cell and the function in that process of chromatin, a substance that forms the chromosomes

apparatus to study these trimers allowed him to discover that the sodium trimer does not show the theoretically predicted geometric phase. This discovery has relevance not only to sodium, but to all small metal clusters and stimulated new theoretical and experimental investigations of trimers.

He received his Diplom-Physiker degree and doctorate from the Technische Universität Hannover in 1975 and 1977 respectively. Over the years, he has received numerous honors and awards including a Heisenberg Fellowship for young faculty from 1985 to 1989 and the Physics Prize from the German Physical Society in 1987. In 1990 he joined the faculty of Penn State as professor of physics, and in 1997 became professor of chemistry here. He is a fellow of the American Physical Society.



LYNN S. LIBEN

Liben receives her medal for her highly innovative research on children's spatial cognition. One of the originators of this field, which has made a fundamental contribution to cognitive psychology, she investigates how children understand and use

graphic representations of places such as maps and aerial photographs and how these representational skills develop during childhood. She has applied her findings to education through work with the Children's Television Workshop, the National Geographic Society and the National Science Foundation.

She received her B.A. in psychology from Cornell University in 1968 and her Ph.D. in developmental psychology from the University of Michigan in 1972. In 1972 she became an assistant professor of psychology at the University of Rochester and in 1976 joined Penn State's faculty as associate professor in the division of individual and family studies. In 1980 she went to the University of Pittsburgh as an associate professor of psychology, but returned to Penn State in 1982 as a visiting lecturer in the Department of Psychology. In 1983 she became an associate professor of psychology and in 1984 was named a professor. She assumed the position of department head in 1987.

She is a fellow of the American Psychological Association and the American Psychological Society. In 1995, she received the Penn State College of the Liberal Arts Distinction in Social Sciences Award. She is the editor of the *Journal of Experimental Child Psychology* and has served on the editorial boards of numerous other journals. She has served as president of the Jean Piaget Society and of the Developmental Psychology Division of the American Psychological Association.

W. LAMARR KOPP INTERNATIONAL ACHIEVEMENT AWARDS

Schaedel earns staff award

Bonnie L. Schaedel, department head/graduate program staff assistant in the Department of Health Policy and Administration, has won the 1998 W. LaMarr Kopp Staff International Achievement Award. The award recognizes staff members who have contributed significantly to Penn State's international mission.

Although she is responsible for staff support for her department's graduate program, Schaedel doesn't have "official" responsibilities for working with international students. As one of the former students who nominated her wrote, she has "made it a personal priority to do what she can to help wherever she can."



BONNIE L. SCHAEDEL

According to alumni, Schaedel's knowledge of graduate program arca, fellowship processes and thesis production deadlines are prodigious and legendary. However, she is most highly regarded for her caring attitude and for inviting students to her home for Thanksgiving and Christmas dinners, bringing American-style cookies

and cakes to the office to commemorate birthdays and holidays, and taking newly arrived students out to lunch. She and her husband, Larry, have taught students to drive, attended their graduations and introduced them to the mysteries of football, Blue and White Day and homecoming.

Schaedel's interest in intercultural exchange doesn't only work one way. She is as interested in the students' cultures as she is in introducing them to American ways.

When Schaedel joined the University in 1974 as secretary to the head of the Department of Developmental and Remedial Reading, she had only a little contact with international students. The same situation occurred when she became clerical supervisor in Police Services in 1976. However in 1978, when she became secretary for the Pennsylvania High School Speech League, a Penn State continuing education program, she began to meet more international students. In 1992, she became secretary to the chairman of the mining engineering section of the Department of Mineral Engineering and things changed dramatically. A majority of the students were from India, China, Korea, Russia or Greece. Schaedel rose to the occasion.

A former student from mineral engineering wrote, "I still remember her carefully explaining to me what needs to be done, cheerfully answering my questions of ignorance. I was pleasantly surprised by the special treatment, but I soon found out that I wasn't the special person, she was."

Schaedel left the mineral engineering department and joined the Department of Health Policy and Administration in 1996. While her duties have changed, she continues to take the time to offer special understanding to those who are new to this country and to remain in contact with international alumni.

Maretzki wins faculty accolade

Audrey N. Maretzki, professor of food science and nutrition, has won the 1998 W. LaMarr Kopp Faculty International Achievement Award, which recognizes faculty members who have contributed significantly to Penn State's international mission.

A faculty member in the College of Agricultural Sciences, Maretzki leads the Kenya Nutribusiness Project, a USAID-funded linkage program focusing on Kenyan women who are learning about child nutrition as they engage in entrepreneurial ventures. The project involves Penn State, Tuskegee University and the University of Nairobi. More than 20 Penn State faculty members from eight different colleges are participating.

In addition to aiding the Kenyan women, the Nutribusiness linkage seeks to foster the internationalization of the participating U.S. institutions. To accomplish this goal, last year, Maretzki invited the chairwomen of the Kenyan Nutribusiness Cooperatives to Penn State to participate in classes, give seminars and meet with students and faculty members. In 1994, her Nutribusiness project brought two Kenyan faculty members from the University of Nairobi to teach workshops on gender and development at Penn State and Tuskegee University. Christine Ahmed, Penn State assistant professor of African and African American studies and women's studies, has produced a 15-minute documentary based on interviews with the Kenyan visitors and will be using the video in a new distance education course.

Maretzki also serves as associate director of the Interinstitutional Consortium for Indigenous Knowledge (ICIK), based in the College of Education. She was instrumental in organizing the ICIK which is part of a network of 50 such



AUDREY N. MARETZKI

centers worldwide and only the second one in the U.S. The centers share a common interest in the preservation and appropriate use of the site specific knowledge that has been generated over the years by local residents outside of academic institutions.

In addition, Maretzki maintains a lively link with colleagues in Australia and New Zealand, where she was a Fulbright Scholar at the University of Otago in

1982-83. Throughout her academic career, she has worked extensively with international students. She is currently advising graduate students from India, Kenya and Taiwan and has advised others from Ghana and Guam. She is a member of the Society for International Development (SID) and worked closely with the student members of the Penn State chapter.

From 1991 to 1994, Maretzki served as both a representative of the Board on Home Economics to the International Development Committee of the National Association of State Universities and Land Grant Colleges (NASULGC) and as a member of the executive committee of the Council on International Affairs.

As past president of the Society for Nutrition Education and editor of its journal, Maretzki was instrumental in establishing a Division of International Nutrition Education within that society. She also has served as international committee chairperson for Epsilon Sigma Phi, an extension honorary organization, and in 1994 received the College of Agricultural Sciences' Diversity Award.

A Penn State alumna, Maretzki earned bachelor's and master's degrees at the University and her doctorate at the University of Pittsburgh. She was a faculty member for 19 years at the University of Hawaii before returning to Penn State in 1985.



KATHLEEN A. MCCARTNEY

Agricultural Sciences' McCartney gets Support Staff Award

Kathleen A. McCartney, college relations assistant with the dean's office, College of Agricultural Sciences, has been chosen to receive the Support Staff Award, now in its second year.

A Penn State employee for 20 years, she has held her present position for the past six years. Her numerous job duties consist of providing office management for the college relations group; logistical support for a number of public events; and administrative support for staff relations work with alumni, industry, governmental and legislative contacts, insti-

tutional offices and related constituencies of the college.

Among her varied tasks are to prepare quarterly budget reports for the College Alumni Society; coordinate Ag Progress Days invitations for special guest luncheons and handle registrations for more than 3,000 invitees; manage arrangements for the annual National Leadership Seminar in Washington, D.C.; and maintain for the dean's office a computer database with more than 1,700 records on major college support groups.

McCartney also has served on the

University's Staff Position Evaluation and Compensation (SPEP) Program Committee.

McCartney's supervisor notes, "In the 10 years that I have interacted with Kathy, I have been continually impressed with the competence, the loyalty, the dedication, the work ethic and the pride that she commits every day to her position. She assumes responsibility for a very heavy workload, giving extra time when needed and without hesitation to meet her own standards of performance as well as ours."

Ward lauded with Barash Award for Human Service

Ann J. Ward, project manager of The Northern Appalachian Leadership Initiative on Cancer in Penn State's Department of Food Science, is the 1998 recipient of the Barash Award for Human Service. The family of the late Sy Barash created the annual award in 1975 to recognize a full-time member of the Penn State faculty, staff or student body who has contributed most, apart from assigned duties, to human causes, public service activities and organizations for welfare of fellow humans. Barash, a Penn State graduate, was a State College businessman from 1953 until his death in 1975.

After completing her master's degree in anthropology at Penn State in 1991, Ward began a cancer research project for rural low-income women. She also became active in various community organizations and groups in the Centre Region. Her volunteer activities primarily focus on issues of poverty and social injustice, civil rights, racial intolerance, the promotion of non-violent conflict resolution and the efforts to develop a stronger sense of com-



ANN J. WARD

munity and is also a Sunday school teacher. Ward is a lead facilitator and chapter treasurer of the Central Pennsylvania Alternatives to Violence Project (AVP), a community building, conflict resolution program, and she also chairs the finance and

community among the area's residents.

Ward volunteers with the Pennsylvania Prison Society, serves as a speaker at the local prison and facilitates conflict resolution workshops at the State Correctional Institution at Huntingdon. She is a member of Friends Meeting of State College religious education

funding committee of the National AVP/USA organization. She implements this program at local churches, Huntingdon Prison, and various community locations.

Through her membership in the Lemont Village Association, she served as a board member and community historian. She is currently a writer for the Lemont Village newsletter. In addition, Ward is vice president of the Pennsylvania Breast Cancer Coalition; a member of the State College International Hospitality Council; active in promoting respect and tolerance among all aspects of diversity by participating in the Penn State Lesbian, Gay, Bisexual Support Network; and is a recent graduate of the Pennsylvania Rural Leadership program.

Ward is currently active in helping the prisoners at Huntingdon Prison identify speakers from Penn State on topics of African, Islamic and African American history and civil rights issues, both current and historical.

York, McKeesport advisers earn Excellence in Advising Awards

The 1998 Excellence in Advising Awards will be presented to Robert B. Campbell and Samuel T. Zabec. The award acknowledges excellence in advising, academic and career guidance and assistance to students in decision making and goal setting.

Campbell has been programs coordinator for Penn State York's Division of Undergraduate Studies and coordinator of the Advising and Information Center for 21 years. In that capacity, he developed a model program for change-of-assignment students that brought representatives of each college to York to discuss student transition to University Park, Penn State Harrisburg and Penn State Erie. Campbell chaired the Retention Committee for Penn State York for six years and incorporated several new activities to encourage faculty and staff interaction with students.

A 1969 graduate of Penn State with a bachelor's degree in secondary education, Campbell went on to earn his M.Ed. in counselor education in 1970. He completed the General Electric Foundation Fellowship Program in the summer of 1974 and completed coursework at Johns Hopkins University in career development in 1985.

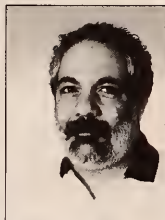
Students and colleagues recognize Campbell as a key force in getting and keeping undergradu-



ROBERT B. CAMPBELL

ate advisees on track. "He has been a partner in my success," commented one student. "He encouraged me to talk about my apprehensions and helped me take the necessary steps toward progress on my degree." The seemingly limitless time Campbell devotes to students who are uncertain about majors and career paths has led many to return to him for advice long after majors were declared and degree requirements fulfilled.

Zabec has served as an academic adviser and instructor at Penn State McKeesport for 32 years. In addition to teaching courses in thermodynam-



SAMUEL T. ZABEC

ics, computer science, math and management information systems, Zabec has helped students whose interests range from engineering and science to human development and business. His philosophy on advising is to carefully explore the rationale behind students' career choices. Zabec encourages students to pursue those choices — but also encourages them to prepare for "Plan B."

Zabec earned his bachelor's degree in chemical engineering from the University of Pittsburgh in 1964, where he continued his graduate studies in chemical engineering and computer science. He joined Penn State McKeesport's faculty in 1966 and studied nuclear engineering at the University Park campus in 1974.

Students and colleagues commend Zabec for the interest he takes in the success of each and every student. As a mentor and role model, Zabec has the ability to remain positive and to motivate the students he advises.

"Mr. Zabec kept me moving in the right direction with a smile and a push," remembers one first-generation college student. "Like the first rays of the sun, inching over the horizon, Mr. Zabec opens his door. All I had to do was walk through."

University Scholar, graduate student Ruffing receives Adult Student Award

Renea A. Ruffing, a University Scholar and graduate student in the College of Agricultural Sciences, will receive the 1998 Adult Student Award this year.

Ruffing will graduate in December with a B.S. and an M.S. in wildlife fisheries science. She plans to continue her studies at Penn State and pursue a Ph.D. in ecology, with the ultimate goal of teaching and conducting research as a university professor.

Ruffing is a member of Gamma Sigma Delta, Alpha Sigma Lambda, Xi Sigma Pi and the Golden Key Honors Societies. She is the recipient of two Hughes Undergraduate Research Assistantships, a School of Forest Resources teaching assistantship, the Robert T. Bilfin Memorial Scholarship, two School of Forest Resources scholarships and the Wildlife Society's Boone and Crockett Award for

outstanding wildlife senior. She has maintained this high level of academic achievement and professional involvement while raising her son as a single parent.

Ruffing's son will accompany her on a trip to Jamaica in May to initiate funding on cavefishes. In March, she'll travel to Africa to collect the field data she needs to complete her master's thesis.

The Faculty/Staff Awards Ceremony will be held at 3 p.m. Sunday, March 22, in Dean's Hall at The Penn Stater Conference Center Hotel on the University Park campus. The Student Awards Ceremony begins at 1:30 p.m. the same day, in President's Hall at the Penn Stater.

Kharem awarded Robinson Equal Opportunity Award



AUDREY KHAREM

Audrey Kharem, director of Student Support Services, Office of Undergraduate Education, is the 1998 recipient of the James Robinson Equal Opportunity Award, designed to recognize a University faculty or staff member who promotes the concept of equal opportunity through affirmative action and/or contributes to enhancing the educational environment of the University through improving cross-cultural understanding.

Kharem has been praised for her dedication to those students who need academic and counseling services, many of whom are low-income, first-generation college students.

In addition, she has been an active force behind the unit's diversity initiatives, helping to share and implement the diversity strategic plan and chairing a seminar on valuing diversity and mutual respect. Other activities include serving as adviser for the Penn State chapter of the National Association for the Advancement of Colored People and a member of the Commission on Racial/Ethnic Diversity Forum on Black Affairs and the planning committee for Disabilities Awareness Month.

Off campus, Kharem has been a major force as co-founder and director of the State College African American Community Organization and as educa-

tion chairperson at the Unity Church of Jesus Christ. One accomplishment has been closer ties of AACC with the State College Area School District to enhance multicultural education and family initiatives. She has organized and sponsored such programs as Sister to Sister Career Day, Boyz to Men Career Day, Bridging the Gap Workshops, annual Cultural Family Fun Nights, an annual community Kwanzaa celebration and Sister Circle, a networking group of women of color.

"Audrey is a 'Sojourner Truth.' An unsung hero in this community who deserves recognition for her outstanding service," a colleague wrote.

Coble lauded with Excellence Award

Joan L. Coble, administrative assistant to the senior vice president for finance and business/treasurer, is the 1998 recipient of the



JOAN L. COBLE

Staff Excellence Award, established in 1993. The award is made annually to a member of the staff of the University who has demonstrated and practiced the philosophy of continuous quality improvement, team spirit and

managerial excellence. In addition, the person should have provided leadership in establishing a quality service orientation in the performance of assigned duties.

This fall, Coble was recognized for 25 years of service at Penn State, including 12 years at her current position as senior staff person for three senior vice presidents in finance and business. In addition, she is the assistant secretary for the Board of Trustees, The Corporation for Penn State and The Research Park Management Corp.; and secretary for The Nittany Title Corp.

Her colleagues praised her organizational skills, teamwork and commitment to continuous quality improvement over the past two decades. Most recently, Coble organized a teamwork and cross-training program for the staff assistants who serve each of the assistant vice presidents in finance and business.

"She is a thoughtful person who seeks innovative ways to solve problems that seem insurmountable to others," a colleague said. "Joan offers encouragement and guidance to members of her unit when times are tough. And when a job is well-done, she is one of the first to give appreciation and praise."

Woodruff wins Schraer Mentor Award

Nan Elizabeth Woodruff, associate professor of history in the College of the Liberal Arts, has received the Rosemary Schraer Mentor Award from the Commission for Women. The Schraer award, created in June 1994, recognizes a University employee for mentoring by advising, facilitating, encouraging and/or paving the way for others to recognize and realize their potential in both personal and professional endeavors. The award was established by the family, friends and colleagues of Rosemary Schraer, former associate provost of Penn State and former chancellor of the University of California, Riverside.

Woodruff's mentoring activities with students are legion, covering a broad scope including work with undergraduates, graduate students, international students and special minorities. In her mentoring of graduate students she provides a rare combination of "intellectual rigor and genuine friendship," notes one of her students. Also her support of young faculty

has been significant. One nominator stated, "No one has done more to demonstrate that professional life can be a cooperative enterprise. No one has devoted herself more unselfishly to making the history department the truly exceptional place it is today, in which collegiality and academic excellence are so well-knit."

It is because of her role as mentor and adviser to students and faculty that the commission presented this award to her on March 16 during its annual banquet. Woodruff's service to the University spans 10 years. She specializes in 20th-century U.S. social and political history, the U.S. South since 1877, and 20th-century African American history.

She earned her doctorate from the University of Tennessee and is author of numerous publications in her area of expertise. Woodruff is involved in several service projects, one of which is gathering books for disadvantaged teachers in the Mississippi Delta.

Bugyi honored with McKay Donkin Award

The McKay Donkin Award will be presented to George Bugyi, executive secretary of the University Faculty Senate. The award was established in 1969 in honor of the late McKay Donkin who served as vice president for finance and treasurer of the University from 1957 to 1968. It is presented to the full-time member of the faculty or staff or retiree who has contributed most to the economic, physical, mental or social welfare of the faculty at Penn State.

Bugyi is an assistant professor of health and human development, joining the faculty 27 years ago. He has held his present position for 16 years.

When Bugyi took over as president of the Faculty/Staff Club, he had established a record of positive involvement in expanding the club's programs and membership. One of his first projects was to initiate the club's Fellowship program, an internship opportunity in which a hotel, restaurant and recreational management student works with the club in order to improve its service to faculty and staff.

He was instrumental in creating the Penn State Forum, an innovative speakers program which is modeled after the National Press Club format. The Forum luncheons have brought such speakers to



GEORGE BUGYI

Penn State as James Duderstadt, president emeritus of the University of Michigan, and John Curley, chairman, CEO and president of Gannett Co.—publishers of *USA Today*. This lecture series has been well-received with an average attendance of more than 200 people.

"Thanks to George's hard work and persistence, the Penn State Forum has made major strides toward realizing its goals of encouraging collegiality, promoting thoughtful discourse, and fostering a sense of community throughout our faculty and staff," one colleague said.

Bugyi is lauded by colleagues for going the extra mile. "His service to the faculty has far exceeded the parameters implicit in his role as executive secretary. He has always attended the additional meeting, made the extra journey and responded to the additional request whenever he felt he could aid a member of the faculty," his nominator wrote.

The award winner also was praised for his first-hand experience in the Commonwealth Educational System, saying it has made him an invaluable intermediary between faculty at many locations.

Two honored with Graduate Faculty Teaching Award

Soundar R.T. Kumara, professor of industrial and manufacturing systems engineering, and James C. McKeown, Ernst and Young professor of accounting, are the 1998 winners of the Graduate Faculty Teaching Award, which recognizes tenured faculty members who have excelled both in teaching at the graduate level and in supervising these work of graduate students.

A specialist in intelligent process monitoring and diagnosis, Kumara has taught five different graduate courses since he joined the Penn State faculty in 1986. One of these, a course on expert systems design, has been in continuous high demand, enrolling more than 400 students since it was first offered.

"The field of manufacturing science is highly interdisciplinary," Kumara said. "My courses reflect this interdisciplinary quality, focus on the latest developments in computing technology and effectively integrate advanced computing, manufacturing and the Internet."

The unique blend attracts students from architectural, civil, mechanical, nuclear, industrial and computer engineering as well as from management.

Students from a wide range of disciplines also seek out Kumara, who also holds a joint appointment in computer science and engineer-



SOUNDAR R.T. KUMARA

ing, as mentor. He has graduated 17 doctoral and 23 master's degree students and has served or is serving on 63 other graduate student committees in 14 academic departments. In addition, six of his students have won awards either locally or nationally.

Kumara has also been honored with the 1994 Penn State Engineering Society Outstanding Research Award.

McKeown joined the Penn State faculty in 1989 after serving for 21 years at the University of Illinois — which has the largest accounting doctoral program in the U.S. Most of his scholarly work has focused on forecasting, empirical accounting research and research methodology. His reputation as a researcher has attracted numerous students to the Penn State doctoral program in accounting and his classroom technique in the four graduate courses he has devel-



JAMES C. MCKEOWN

oped have meant that many have sought his guidance.

"I avoid lecturing. I work to get each student to contribute to the discussion," McKeown said. "Students are told that one sure way to receive a low discussion grade is to always agree with me."

During his years at Illinois, he chaired 30 dissertation committees and served as a member on seven others. At Penn State he has served as chairman of 12 and as a committee member on six. He currently chairs three doctoral students' committees.

His commitment to his students, however, does not stop at graduation.

"My style is to show interest in their work and progress, encouraging them and making sure the individuals know that I wish to be helpful wherever desired, but not becoming a pest."

Eleven students will receive Graduate Assistant Teaching Award

Eleven Penn State students will receive the Graduate Assistant Teaching Award for Outstanding Teaching at the 1998 Student Awards Program at 1:30 p.m. Sunday, March 22, at the Penn State Conference Center Hotel on the University Park campus.

The award, sponsored by the Graduate School and the Office of the Vice Provost and Dean for Undergraduate Education, recognizes graduate students for superior teaching in the areas of physical science and engineering, life sciences, social and behavioral sciences, and the arts and humanities. Nominees are judged on various criteria, including effectiveness of their presentations; use of clear and fair evaluation procedures; accessibility to their students, and sensitivity to individual differences in the classroom.

Recipients are: Debra Arnoldsen, biology; Charles E. Hines III, psychology; Erin E. Joyce, French; Katherine Masters, chemistry; Herbert Moeller, German; Nicholas Pansik Jr., biochemistry and molecular biology; Peter Phillips, industrial engineering; Matthew S. Robinson, art history; Sheryl VonRollestone, French; Joseph P. Weber, business administration-accounting; and Gregory J. Woodbridge, music conducting.

Arnoldsen is a returning adult student who has received an M.S. degree in horticulture and is pursuing a master's degree in ecology with a minor in curriculum and instruction in science. She coordinates the labs and teaches one lab section for Biology 27, introduction to plant science, and is developing a coordinator's manual for the course.

As a teaching assistant for courses in adoles-

cence and abnormal psychology, Hines has demonstrated extraordinary lecturing ability and has proven to be especially effective at establishing and maintaining a positive rapport with students.

Joyce, who expects to receive her Ph.D. in August, believes that students should take an active role in their learning and treats them as responsible adult learners. Using a variety of activities, she encourages active participation and interaction.

Masters, who has had extensive lecturing experience, received the chemistry department's Dan Waugh Memorial Teaching Award in 1995. Instrumental in organizing an informal teaching seminar in the department, she also encouraged faculty to offer a new course for graduate students considering a career in chemistry teaching.

Moeller's native fluency in German and his knowledge of contemporary German society are constantly drawn upon by fellow teaching assistants and faculty members. In addition to his classroom work, he has encouraged students to become involved in extracurricular informal sessions to practice their conversational skills in German.

Pansik has played a significant role in developing and fine tuning laboratory exercises for new courses in the department. The core of his teaching philosophy centers on making contact with students in ways that engender full and open communication.

Phillips, who received the industrial and manufacturing engineering department's Outstanding Teaching Assistant Award, currently serves as

president of the Penn State Industrial Graduate Student Association. Students in the engineering economy course cite his availability, his ability to explain difficult material and his positive attitude.

In addition to serving as a teaching assistant for courses on modern architecture and survey of western art, Robinson developed a course on pre-Columbian architecture in the Americas. He also was responsible, along with another graduate assistant, for the design and implementation of a computer-based grading system for the department's general education course.

VonRollestone has taught both French and Italian; has been the course coordinator for French I and French 3, and has been a teacher and coordinator for the French program in the Summer Intensive Language Institute. She is primarily concerned that there be an atmosphere of mutual respect and cooperation in her classes.

A Smeal College Teaching Fellow, Weber also received the 1997 Ossian Mackenzie Graduate Teaching Award. Since 1995, he has served as an instructor and lab instructor for Accounting 211, financial and managerial accounting for decision making. His goal is to get students to think about accounting issues and their applications in the business world.

Besides teaching basic musicianship, Woodbridge serves as conductor of the Sinfonietta Reading Orchestra and assistant conductor of the Penn State Chamber Orchestra and the Penn State Philharmonic. He has been successful in combining his musical talent with his ability to help students become proficient in the "art" of reading musical notation.

The following writers contributed to this special section:

Kimberley Yarnell Bierly, Paul Blaum, Bill Campbell, Vicki Fong, Barbara Hale, Alan Janesch, Andrea Elyse Messer and Karen I. Wagner

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, March 20
"Hot Mamas," concert, noon, Kern.
Jennifer Streb, gallery talk on "The Hudson River School Landscape," 2 p.m., Christoffers Lobby, Palmer Museum.
Brent Turney, trumpet, student recital, 8 p.m., Recital Hall.

Saturday, March 21
Robin Seymour, gallery talk on "Contemporary Art at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.
Mike Evock, piano, student recital, 7 p.m., 122 Music Building II.

■ Russian National Orchestra with Gil Shaham, violinist, 8 p.m., Eisenhower Auditorium.
Christopher Yorks, student lecture on "An Evening of Film Music," 8 p.m., Recital Hall.

U.S. Hot Rod Monster Jam, 8 p.m., The Bryce Jordan Center, through March 22.
Sunday Women's Club — Las Vegas Night, 8 p.m., The Nittany Lion Inn.

Sunday, March 22
Kimberly Burkhard, voice, Matthew Russell, organ, student recital, 1 p.m., Recital Hall.

Tuesday, March 24
Flute Studio Recital, 8 p.m., Recital Hall.

Wednesday, March 25
Lincoln Center Jazz Orchestra, Wynton Marsalis, conductor, 8 p.m., Eisenhower Auditorium. For tickets call (814) 863-0255.

■ "Lord of the Dance," 8 p.m., The Bryce Jordan Center.

Jaime Thorne, horn, student recital, 8 p.m., Recital Hall.

Thursday, March 26
Penn State Mallet Ensemble, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.
Pennsylvania Sportsman Hunting, Fishing and Outdoor Show, The Bryce Jordan Center, through March 29.

Friday, March 27
Second Mile Art Auction, The Penn State. "Bellamy's Trio," noon, concert, Kern.
Jennifer Pawloski, gallery talk on "The Hudson River School Landscape," 2 p.m., Christoffers Lobby, Palmer Museum.
American Repertory Ballet, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Graduate Research Competition, 8 p.m., Recital Hall.

Saturday, March 28
Jan Kinney, Story Time, 11 a.m., Special Exhibition Gallery II, Palmer Museum.

"Where the Wild Things Are," American Repertory Ballet, 1 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

■ Marshall Urban, baritone, Carl Blake, piano, faculty recital, "Schubert's Schwaneengesang," 3 p.m., Recital Hall.
Carl Mausteller, soprano, Patrick Lawrence, piano, graduate recital, 8 p.m., Recital Hall.
Doug Fisk, piano, student recital, 8 p.m., 122 Music Building II.

Sunday, March 29
David Glem, gallery talk on "American Prints between the Wars," 2 p.m., Christoffers Lobby, Palmer Museum.
Ivan Hodge, violin, student recital, 3 p.m., Recital Hall.
Chris Bygott, saxophone, student recital, 8 p.m., Recital Hall.

SEMINARS

Friday, March 20
Virginia Vallian on "Why So Slow? The Advancement of Women," noon, HUB Gallery.



At the Jordan Center

Lord of the Dance will be at The Bryce Jordan Center on the University Park campus Wednesday, March 25. For tickets, call (814) 865-5555 or (800) 863-3336.

Ann Haug on problem-based learning, noon, 304 Rider II.
Irene Harvey on "Derrida and the Issues of Exemplarity," 4 p.m., 124 Sparks.
■ Garrett Sullivan on "Shakespeare's Geography," 4 p.m., 206 Walker.
Donald T. Farley on "Probing the Ionosphere with Giant Radars: The Science, the History and a Little Politics," 8 p.m., 112 Walker.

Saturday, March 21
Robert A. Kiloreen on "Securing Funds Electronically," 9 a.m. to noon, 110 Agricultural Science and Industries. For reservations, call (814) 863-1663.

Monday, March 23
■ Michael Handel/zalts on "The 'Other' on the Israel Stage," 12:15 to 1:20 p.m., 101 Kern.
Herschell Elliott, Paul Robillard and Eileen Wheeler on "Goals, Ambitions and Aspirations of Program Activities," 12:20 p.m., 239 Agricultural Engineering.
■ Tony Bube on "Struggling Against Nostalgia: An Italian American Reclaims the Stereotypes of His Past," 4 p.m., 101 Kern.

James L. West II, Nancy Tischler and Rhoda Sirlin on "Being Boswell: Writing the Life of William Styron," 8 p.m., Palmer Museum.

Tuesday, March 24
Sandra M. Troian on "Solved and Unsolved Mysteries: Novel Instabilities in Surface-Active Spreading Films," 10 a.m., 140 Fenske Laboratory.
Nils Anderson on a subject to be announced, 2 p.m., 339 Davey Laboratory.

■ Anthea Taylor on "Democracy: Assimilation or Emancipation for Aboriginal Australians," 3:45 p.m., Eisenhower Chapel Memorial Lounge.

Dan Krane on "The Influence of Large-Scale Context on Nucleotide Substitutions," 4 p.m., 8 Mueller Laboratory.
Peter Cavanagh on "Locomotion on Earth and in Space: A Biomechanical Journey," 4 p.m., 101 Kern.
Michael Goran on "Obesity and Chronic Disease Risk in Children: It's Time for Prevention," 4 p.m., S-200 Henderson.

Wednesday, March 25
Debbie Atwater, Sabrina Chapman, Tineke Cunningham, Lynne Goodstein, Jamie Klinger and Vivian Pena on "Women Making History at Penn State," 6 to 7:30 p.m., HUB Gallery Lounge.
Joseph C. Andraski on "Logistics/Supply Chain Management Imperatives in the Business Environment of the 21st Century," 7:30 p.m., 111 Kern.

Thursday, March 26
Joe Paterno on motivating teams, 8:30 to 9:30 a.m., The Nittany Lion Inn Ballroom.
William Massy on "Restructuring the University," 9:30 to 11:15 a.m. and 11:30 a.m. to 1 p.m., The Nittany Lion Inn Ballroom.
Carmen Heider on "Equality and Individualism — The Woman's Suffrage Campaign in Thayer County, Nebraska 1879-1882," noon, 120 Boucke.

Peter McCourt on "The Expanded Roles of ABA in Plant Development," 12:20 to 1:10 p.m., 101 Agricultural Science and Industries.
Clifford Lissenden on "Mechanical Constitutive Relations," 3:35 p.m., 215 Hammond.
Gregory Miller on "Disclosure Choice During Extended Periods of Earnings Increases: Evidence on the Relationship of Voluntary Disclosure and Increased Performance," 3:45 p.m., 333 Beam Business Administration.

Adam Davey on "Corelates and Sequelae of Exchange Between Generations: Interfamilial Differences in Intrafamilial Support," 4 to 5 p.m., 110 Henderson.

Thursday, March 26
Hazel M. Holden on "Carbamoyl Phosphate Synthetase: A Long Journey from Substrate to Product," 12:15 p.m., S5 Osmond Laboratory.

■ Christopher Simpson on "Nazi Banking and the Plundering of Jewish Property," 2 to 4 p.m., Palmer Union Auditorium.
Hosel Sturmer on "So, What's a Composite Fermon Anyway?" 3:30 p.m., 101 Osmond Laboratory.

■ John de Leeter on "Science and Technology Policy in Australia," 3:45 p.m., Eisenhower Chapel Memorial Lounge.
Gregory Benson on a subject to be announced, 4 p.m., 302 Pond Laboratory.
■ Hector Falciano on "Nazi Art Looting: An International Investigation," 7:30 to 9:30 p.m., Palmer Union Auditorium.
Karen Fairbanks and Scott Marble on "Fetch," 8 p.m., 112 Walker.

Friday, March 27
Phyllis Meier and Shin-Kap Han on "Interlocking Careers: Pathways through Work and Family for Men and Women," 3:30 to 5 p.m., 124 Sparks.
■ Jacob Golomb on "Kierkegaard's Ideal of Authentic Faith," 4 p.m., 167 Willard.

EXHIBITS

Computer Building
"Naked and Not Ashamed," by Tiaa Dillard, through April 30.
■ **HUB Bowling Gallery**
■ Photographs of architecture in Germany by Gary Catthen, through April 5.
■ **HUB Formal Gallery**

■ David Donlugh exhibits terra cotta plates, through April 25.
■ **HUB Sculpture Corner**
"Peace Talks," by William Egan, through May 21.

Kern Exhibition Area
Photographs by Richard Mansfield, through March 29.

Kern Tilt and Flat Cases
■ Israeli jewelry and crafts by Tuvia Abramson, through March 29.
■ North Halls Cultural Lounge
Ceramic pieces by Paul Zuber, through May 7.

Palmer Museum of Art
"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through May 14.

"American Printmakers, 1920 to 1945," through June 14.
"All That is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Rittenour Geriatric Medicine Weiling Area
■ Monika Zdzienicka-Led displays black and white photographs of Cracow, Poland, through April 30.

Wering Hall Multi Purpose Room
Simon Far exhibits his acrylic works, through April 29.

Zeller Gallery
M.F.A. Exhibition by Bryce Tugwell, through March 25.

M.F.A. Exhibition by Tom Towater and Robert Moore, March 26 through April 4.

■ **Reflects international perspective.**

For a full listing of University Park activities, including sporting events, go to the Web at URL: <http://cac.psu.edu/calendar/>

Graduate Research Exhibition opens March 27



Show and tell

Each year, the Graduate Research Exhibition at University Park gives graduate students the opportunity to share their enthusiasm for their research. Nearly 150 Penn State graduate students will exhibit posters describing their work and compete for awards totaling \$10,000 in this year's exhibition.

Photo: Greg Grieco

Alligator farming, biomimetic robots, Gettysburg and carpal tunnel syndrome are a few examples of the topics that will be covered by poster presentations during Penn State's 13th Annual Graduate Research Exhibition, March 27 and 28 at University Park.

Graduate students will display and be on hand to explain research under way in many University departments. Topics range from evaluating noise produced by tires on pavement to studying dust from asteroids. Included for the second year is the Performance Option which highlights presentations of operatic solos, piano suites, poetry readings, dramatic readings and a radio play.

Free to the public, the performance option will take place on March 27 in the Rectal Hall, Music Building, from 8 to 10 p.m. The poster exhibition will be open to the public in the Hetzel Union Building Ballroom 10 a.m. to 5 p.m. Saturday, March 28.

The exhibition provides graduate students with the opportunity to

explain and defend their research — to faculty, other students, administrators and the community.

"We hope to show undergraduates and the rest of the community how exciting research can be," said Lynne Goodstein, associate dean of the Graduate School. "This is our opportunity to share our enthusiasm."

As part of the exhibit, a graduate student in physiology and poultry science is using cartilage cells from birds to develop viable implants for the regeneration of joint cartilage. The life histories of two cathedrals — one in Strasburg, France, and the other in Cologne, Germany — are compared and contrasted by an art history graduate student. Closer to home, a history student is investigating the progression of Gettysburg from a battle field to a cultural icon and finding that the process began soon after the battle and has continued repeatedly to accommodate American tastes.

Nearly 150 Penn State graduate students will compete for awards totaling \$10,000.

New at Penn State

Nittany Café opens at Penn State Beaver

The Penn State Beaver Hotel, Restaurant and Institutional Management (HRIM) Program has opened the Nittany Café in the church hall of St. Francis Cabrini Catholic Church in Center Township near the campus.

The one-day-a-week café is open to the public every Tuesday from 5 to 7 p.m. through April 28, and features a variety of upscale menu items.

The Nittany Café is part of an HRIM course being taught by Karen L. Monath, instructor in HRIM, and Art Mange, executive chef of the Wooden Angel restaurant in Beaver. Monath and Mange prepare some of the food items and oversee the operation of the restaurant, while students staff the restaurant as hosts, servers and food preparers. An important part of the HRIM program at Penn State Beaver is testing students' ability to apply the skills they have learned in class.

For more information on the program, call Monath at (724) 773-3885.

Candidates sought for vice provost position

A search committee has been appointed to identify candidates for the position of vice provost for educational equity, a post that will be left vacant by the return to the faculty ranks of James B. Stewart. John J. Romano, vice provost and dean for enrollment management and administration, is search committee chair.

The vice provost for educational equity reports to the executive vice president and provost of the University and is responsible for planning, developing, coordinating, articulating and advocating the University's goals, policies and procedures pertaining to equal opportunity for underrepresented students, faculty and staff at all locations, including oversight of the implementation of the University's Diversity Strategic Plan.

The vice provost for educational equity is responsible for numerous academic support activities, such as Disability Services; Equal Opportunity Planning Committee; Multicultural Resource Center; Project Growth, and Veterans Affairs. The vice provost works closely with the University Faculty Senate to promote curriculum integration and in the evaluation of intercultural and international competency courses. The vice provost works with the Graduate School to promote increased support for students. The vice provost facilitates cooperative research and encourages faculty to conduct research, especially evaluative research, of programs operated as part of Penn State's diversity efforts. The successful candidate will also promote international exchange in cooperation with the Office of International Programs.

Through the work of the EO/PC and

the President's Opportunity Fund, the vice provost works to enhance and expand programs of minority faculty exchange. In addition to these activities, the vice provost has responsibility for the management of the President's Opportunity Fund, coordination of the Campus Environment Team, control of access to data identified by ethnic code, reporting to government agencies regarding the University's plan for equal opportunity, and representing Penn State in appropriate bodies associated with the Alliance for Undergraduate Education and the Committee on Institutional Cooperation. The vice provost also provides support for the activities of the Commission on Lesbian, Gay and Bisexual Equity; Commission on Racial/Ethnic Diversity; and the Commission for Women.

The position requires an individual who has the skills and the vision to lead a large complex university into the 21st multicultural century, and who has demonstrated ability and a personal commitment to function across racial, cultural and gender barriers in a multi-campus university setting. It is preferred that the candidate have academic credentials and achievement equivalent to a tenured faculty appointment. The candidate should have a thorough familiarity with the philosophy and responsibilities of a large, research-oriented, land-grant institution. Prior experience in academic administration with responsibility for personnel, programs and/or resources is required. Salary will be commensurate with experience and qualifications.

Nominations, applications and inquiries should be submitted to Romano, chair of the Search Committee

for the Vice Provost for Educational Equity, 201 Old Main, Box PSI, University Park, Pa. 16802. In addition to a paper copy, the search committee would be pleased to receive applications or nominations that include a full vita on a Word or WordPerfect formatted diskette, or by e-mail sent to PSUsearch@psu.edu. The search committee will begin to review applications and nominations on May 1 and will continue to receive them until the position is filled.

Other members of the search committee are: Barbara E. Bullock, associate professor of French and linguistics; Alicia Bunell, contracts and proposal specialist, Office of Sponsored Programs; Brian C. Clark, director of veterans programs; Tineke J. Cuning, counselor in Career Development and Placement Services and chair of the 1997-98 Commission for Women; Nancy L. Eaton, dean of the University Libraries; Susan C. Faircloth, graduate student in educational administration; Gail A. Hurley, director of institutional development; Kala Krishna, professor of economics; Deena J. Morganti, associate librarian, Penn State Berks-Lehigh Valley; Joseph M. Puzyski, director of Judicial Affairs; Betty J. Roberts, assistant vice president for Business Services; Robert Secor, vice provost for academic affairs and personnel; Joseph M. Selden, coordinator of minority programs, College of Communications; Joshua S. Smith, president of Academic Assembly and undergraduate student in energy, environmental and mineral economics; John W. Tipton III, director of the American Indian Leadership Program and professor of education; and Lawrence W. Young, director of the Paul Robeson Cultural Center.

"I try to serve as kind of a straight man for Styron ... framing quotations from his letters and his interviews and letting him speak for himself rather than trying to do it through straight exposition."

— James L.W. West III

Biography sheds light on complex personality

By ALAN JAMESCH
Public Information

One way to get to know William Styron is to walk with him. That's what James L.W. West III, distinguished professor of English, says in his forthcoming Random House biography of Styron, the author of *Sophie's Choice* and four other novels, as well as short stories, essays, a memoir and a play.

West describes Styron's strenuous daily walks in the book's "preamble" — West is punning deliberately (pre-*amble*) — and says that sometimes during his walks Styron speaks about himself. On the many walks that Styron took with West, Styron was articulate, perceptive and witty. But he revealed little about himself, West says — there were no glimpses of his ambitions and desires, obsessions and fears, fantasies and dreams.

The best way to understand Styron, West says, is through "his immensely and painfully self-revealing" works of fiction. It seems odd to hear West, whose 487-page biography of Styron will be published on March 23, suggest that a biography isn't the best vehicle for getting to know its subject. But West is well aware of the shortcomings of the form.

"Biography is a mongrel form, a false form," West says. "In biography you create out of your own head a pattern that seems to fit the evidence of a person's life. No biographer should be arrogant enough to think he can truly penetrate a complex personality like Styron's."

West solves the problem of illuminating Styron's personality by letting Styron reveal it himself — through excerpts from Styron's books and manuscripts, interviews and previously unpublished letters.

"I try to serve as kind of a straight man for Styron ... framing quotations from his letters and his interviews and letting him speak for himself rather than trying to do it through straight exposition," says West.

West also traces the connections between Styron's real life and the events in his novels, but he tries not to overplay it. "I don't use heavy-handed exposition to point out parallels between the life and the writings. I simply present them and pass on."

Styron grew up in Newport News, Va., and was educated at



Davidson College and Duke University. He spent time in the Marines (which spawned a novella, *The Long March*), went to New York, and ultimately settled in Connecticut, where he developed strong friendships with James Baldwin, Philip Roth, Peter Matthiessen, James Jones and other literary figures.

Styron is perhaps best known for *Sophie's Choice*, his 1979 novel about the Holocaust, which was made into a 1982 movie with Meryl Streep and Kevin Kline. In addition to the Holocaust, Styron has also addressed other major issues with forthrightness and power, including slavery and his own searing bout with depression.

In the biography, West covers Styron's active political life and delves into his involvement in Eugene McCarthy's campaign for

president, the Chicago Democratic convention of 1968 and the war in Vietnam. He also details Styron's long-running feud with Norman Mailer, explores his battles with alcohol and depression, and critiques his major works.

"If the biography has a theme, it is Styron's stubbornness. He has overcome a great many difficulties," West says. "In some ways he seems to be fortune's child; he's had lucky breaks in his career. But he has also had psychological difficulties all of his life. What I admire about him is his doggedness, his self-discipline. He has fought to draw alcohol and depression and intermittent writer's block, and that's no mean feat. He's continued to write and be innovative."

West most admires Styron's capacity as a writer to take on difficult and self-damaging projects. "He lets it rip when he writes," says West. "I don't mean with an excess of emotion or bathos. But he really goes after it, through word and emotion, and he's had to pay a price: a great deal of self-doubt and psychological trauma. One of the patterns that emerges is that after each of the major works there is a period of great personal travail and psychic despair into which Styron sinks. Then he

recovers and begins again."

West says that writing the Styron biography was the most satisfying work he's ever done, "particularly because I was dealing with people who know or have known Styron. With living witnesses there's a kind of unpredictability, a volatility about what they'll say, which makes it very quickening to the intellect."

The biography is not West's first foray into Styron territory. A highly regarded editor, textual theorist, biographer and critic of 20th-century American literature, West has edited and written an introduction for *Inheritance of Night*, the published early drafts of Styron's 1951 novel, *Lie Down in Darkness* (Duke University Press, 1993) and edited "Conversations with William Styron" (University Press of Mississippi, 1985).

"In 1985, I was doing research for a book on the background of *Lie Down in Darkness*, interviewing Styron's old friends, classmates and teachers," says West. "I became aware that I was gathering the kinds of material that a biographer would gather, and I was a little uneasy. I feared I was intruding into Styron's personal life, I saw him later that summer, and I said, 'I appear to be writing a biography of you. If you want me to stop, I will. If you don't, I'll go ahead.' He said, 'Well, why don't you just go ahead, and we'll see what happens.'"

So West proceeded, eventually gaining complete access to Styron's literary papers, letters, manuscripts and friends. Styron never asked to read West's drafts while the work was in progress, fearing it would alter his own memories, which he draws on heavily in his work. But once the manuscript was completed, Styron read it — declining to suggest stylistic or interpretive changes and only pointing out some too dozen factual errors.

The title of West's book is simple — *William Styron, A Life* — but he started out with something much weightier. "The working title was 'Inheritance of Night: The Life of William Styron,'" West confesses. "I rejected it for two reasons. The first is that I thought it was too portentous, and the second is that it had a colon in it. I have taken a solemn oath never again to publish anything that has a colon in the title. The practice is endemic to literary studies, but I've sworn it off."

Obituaries

Longtime University supporter dies at 77

Mary Jean Smeal, 77, one of the most prominent benefactors to Penn State's educational programs, died at her home in Rumson, N.J. on Thursday, March 12. Her husband, Frank P. Smeal, survives.

Mary Jean and Frank Smeal graduated in Penn State's class of 1942, she with a degree in arts and letters and he with one in economics. They married the same year. Her father was a professor in, and former head of, Penn State's Department of Botany.



MARY JEAN SMEAL

The Smeals were joint supporters of many University projects. The Mary Jean and Frank P. Smeal College of Business Administration was named in their honor in 1989 following a \$10 million gift.

The Smeals shared a love of literature and, in addition to their gifts to The Smeal College, they gave \$1 million in 1980 to establish an endowed faculty chair in literary theory and comparative criticism. In 1982, they established the Katey Lehman Creative Writing Awards in memory of Mrs. Smeal's sister. In 1983, they established the Henry W. Popp Graduate Assistantship in Botany and Plant Pathology in honor of Mrs. Smeal's father.

The couple also has supported Penn State DuBois, where Mr. Smeal, a native of Sykesville, Pa., began his college studies. An academic building on that campus is named in memory of Mr. Smeal's mother. Other gifts to the University from the Smeals have supported the Matson Museum of Anthropology and the University Libraries.

Donations in memory of Mrs. Smeal may be sent to The Pennsylvania State University, Office of University Development, 1 Old Main, University Park, Pa. 16802, or to the American Cancer Society.

Adviser and educator dies

Robert William Ott, 63, of Bellefonte, formerly of State College, died Friday, Feb. 27.

He earned three degrees from Penn State, completing post-doctorate work at the University of London, with research at the Victoria Albert Museum, the Tate Gallery and the National Gallery. He was professor emeritus in the College of Arts and Architecture and was the international Fulbright adviser.

He was a member of the University Faculty Senate; a vice president of the National Art Education Association, eastern region; a distinguished fellow of the Pennsylvania Art Education Association in 1994, Art Educator of the Year in 1993, and Pennsylvania Art Educator of the Year in 1992.

For the Record

Davie Jane Gilmour, interim president of Penn College, was misidentified in a photo caption on page 14 of the March 5 *Intercom*.



Letting the sparks fly

Steve Allison, facilities mechanic for Farm Operations in the College of Agricultural Sciences, does a little bit of repair work to equipment. Farm operations employees help raise crops for research projects. They also repair and service equipment for the research barns and other areas of the University.

Photo: Greg Grieco

Penn College plans open house for March 29

"Commitment to Community" is the theme for Open House '98 at Pennsylvania College of Technology. The annual event will be held on Sunday, March 29, from noon to 4:30 p.m., at Penn College's main campus in Williamsport as well as its Aviation Center at the Williamsport Regional Airport, Earth Science Center near Allenwood, and North Campus near Wellsboro.

Among the visual highlights at the main campus will be an 18-wheel, General Electric truck featuring innovations in plastics, an electronic "insect" navigating a 'city' of children's blocks, a keyboarding tournament, and the launch of a giant weather balloon. Information sessions aimed at enriching the lives of visitors include healthy cooking demonstrations, a "Pets Have Teeth Too" presentation, waste water analyses, a look at job trends, and various health care screenings and presentations.

Penn College's Open House draws more than 15,000 visitors each year. For more information, call the college at (717) 327-4761 or (800) 367-9222.

Bookshelf

The seventh edition of *Residential Architecture: Design and Drafting*, written by Ernest R. Weidhaas, professor emeritus of engineering graphics, and Mark D. Weidhaas, alumnus of Penn State's building construction engineering technology program, has been published by Delmar Publishers of Albany, N.Y.

The text includes plans and photographs of a contemporary atrium home, a traditional two-story English garrison home, an A-framed solar home and a multi-level modular home. It also features a five-story commercial building of bolted and welded steel, and an award-winning community church.

A comprehensive student workbook and an instructor's manual, both keyed to the textbook, were published concurrently.

PENN STATE INTERCOM

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Volume 27, Number 25

Anonymous donor gives \$20 million to Erie

Hailed recently as "one of the rising stars among eastern schools of business," the School of Business at Penn State Erie has received a \$20 million gift from a donor who wishes to remain anonymous. It is the third largest gift in Penn State's history.

Part of the gift will be used to establish graduate and undergradu-

ate scholarships, allowing Penn State Erie to recruit the most academically promising students and to offer aid to those with financial need. Another portion will provide a permanent source of funding for library and information technology resources. Gift funds also have been designated to establish four faculty chairs, vital resources that can be used to attract

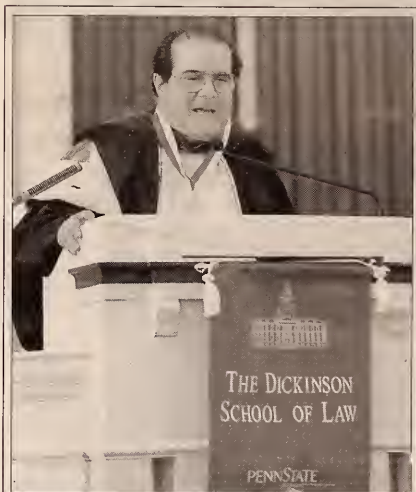
and retain world-class teachers and researchers. The remainder has been set aside to support future initiatives in consultation with the donor.

"Penn State Erie continues to excel in its mission to contribute to the economic development of the region, and it is extremely gratifying to receive this gift in support of its efforts," said President Graham B. Spanier. The presi-

dent was in Erie to make the announcement of the gift with John M. Lilley, Penn State Erie provost and dean.

According to Lilley, the goals for the gift were developed jointly between the donor and the campus administration.

See "Gift" on page 10



Honored guest

Supreme Court Justice Antonin Scalia spoke at The Dickinson School of Law on March 21, at a ceremony celebrating the school's merger with Penn State. Scalia received an honorary degree at the ceremony, which also was attended by Gov. Tom Ridge; President Graham B. Spanier; and Peter Glenn, dean of The Dickinson School of Law.

Photo: Courtesy of the Carlisle Sentinel

Helping those who need it most

Dickinson students gain hands-on experience and an appreciation for public-interest law

BY DEB RYERSON

The Dickinson School of Law

Long before the teaching of lawyering skills became commonplace in law schools, The Dickinson School of Law was in the forefront of providing opportunities for students to gain real-life, hands-on experience while providing a community service.

The Law School's involvement with live legal clinics began during the 1960s when a pre-cursor to Cumberland County's Legal Services Inc. was incorporated into the curriculum. Today, a state-of-the-art legal clinic building in downtown Carlisle stands as a symbol of the Law School's commitment to teaching law students how to provide quality representation to real clients.

Two clinics, the Family Law Clinic and the Disability Law Clinic, are housed in the North Pitt Street building, known as the Dale F. Shughart Community Law Center. Other in-house clinics at the Law School include the Prison Clinic and the Art, Sports and Entertainment Law Clinic. There are also a wide variety of off-campus experiences available through the field placement program, which places law students in public defenders' and district attorneys' offices, Legal Services offices,



Easy access

Dickinson School of Law's legal clinic is in downtown Carlisle.

state and federal judges' and administrative offices, and legislative settings.

The Family Law Clinic can accommodate approximately 12 students each semester who represent low-income residents in cases involving divorce, child custody, support, protection from abuse and, occasionally, such things as stepparent adoption, paternity and suits involving allegations of child abuse.

"Many students recognize that the clinic is a different kind of experience than clerking for a law firm during the summer," said Katherine Pearson, one of the faculty supervisors for the Family Law

See "Dickinson" on page 2

Inside

CQI
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IMPROVEMENT

Reminder

The 1998 Quality Conference will be held at The Penn State Conference Center Hotel on April 21-22 and the Quality Expo will run 11 a.m. to 3 p.m. April 22 at The Nittany Lion Inn. For information, check the Web at <http://www.psu.edu/president/cqi/>.



Expert advice

Find out how to keep food from absorbing undesirable odors in the refrigerator. Check out From the Experts, on page 19.

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GLAD you asked

To submit a question for this column, please send e-mail to the address listed below. Submissions must include a contact name and telephone number so that *Intercom* can verify the source. Requests for anonymity will be honored.

Q: Why is the University's policy on maternity leave so poor? From what I can gather in the employee handbook, new mothers who are University employees get no paid leave at all, forcing employees to use vacation time or take unpaid leave. This doesn't appear to be a very progressive policy, in light of the reality that most families today must have two salaries to survive.

— Mom-to-be
in Philadelphia

A: Overall, University policies related to absence for maternity and adoption are generous, and paid time off other than accumulated vacation is available for some of the time involved.

Federal law mandates that maternity absence be treated in the same fashion as illness or injury. Medical advice has indicated that the need to be off work normally begins about the eighth month of pregnancy and ends six weeks following birth of the child, unless there is medical necessity to extend the absence. Faculty would continue in pay status for this period, and staff would charge the absence to accumulated sick leave and then accumulated vacation at the employee's option. After paid time off no longer is available, leave without pay within policy limits is provided (see policy HR16 guideline HRG11).

Your concern, however, seems to focus more on leave without pay. There are a variety of reasons why someone may find it necessary or desirable to have a prolonged absence from work. Experience indicates that everyone feels his or her need to be as compelling as the next person's. Obviously individuals would prefer not to lose any pay at all for the absence. However, it becomes a question of how much financial obligation an employer can be expected to be willing to assume.

Nevertheless, in recognition of individual needs to juggle personal concerns with work or professional demands, the University provides some options to assist in this regard. Anyone needing help is urged to contact his or her Human Resources representative or director of business services, as appropriate, or the Work Life Office at University Park, (814) 865-5886.

— Billie Willits
assistant vice president for Human Resources

Dickinson

continued from page 1

Clinic, "The law firm experience is often what we call a third-chair experience, where there may be two layers between the student and the client. Our students really have a first-chair experience, with their supervisor sitting in the second chair."

Other faculty clinic supervisors are Robert Rains, Disability and Family Law Clinics; Tom Place, Family Law and Prison Clinics; and Donald Marritz, clinic staff attorney who assists with both the family and disability law clinics.

Students in the Family Law Clinic typically handle 10 or more cases per semester, and there is generally a waiting list for those cases not deemed an emergency.

"The primary goal of the clinics is teaching," said Rains. "But we hope in the process to impart to our students an appreciation of the importance of public interest law while providing quality representation to people who would otherwise go unrepresented in the legal system."

"Students tell us the clinic is one of the most valuable experiences they have in law school," said Pearson. "It makes them appreciate their regular classes more. It helps them make decisions about how and where they want to practice. Sometimes the best references they get are from opposing counsel who are impressed with their hard work and the high quality of their representation."

Family Law Clinic cases are handled as they would be in private law firms. The student lawyer meets with his or her client either under the supervision of a faculty member or is videotaped for later review. The student and faculty member then consult about the case, and the student reviews with the client the client's options and the student's recommendations. Together, the client and student agree on a plan of action.

"While many cases are resolved by negotiation either before or after they are filed in court, on those occasions when a case must go to a hearing or trial, the clinic students present the case to the court under the supervision of a faculty member or staff attorney," said Rains.

In addition to the practical component, the Family Law Clinic program has a weekly class component during which students learn about substantive Pennsylvania law or hear guest speakers, who may include divorce masters, Legal Services attorneys, court administrators, Department of Public Welfare staff and others.

Pearson said the majority of clinic students end up in private practice after law school, with more than half practicing family law.

"Some decide they don't want to practice family law," she said. "The level of human emotion involved in family law isn't for everyone. Students recognize how important their role of counselor is in family law, and some have more success in that than others."

The Disability Law Clinic averages four stu-



Win-win proposition

The law clinics at The Dickinson School of Law provide legal assistance to low-income residents involved in divorce, child custody, support, protection from abuse and other cases, and at the same time give law students valuable, hands-on experience.

Photo: Courtesy of The Dickinson School of Law

dents per semester, handling about 40 cases at one time. These cases involve supplemental security income claims, handicap discrimination, cases brought under the Americans with Disabilities Act, special education problems, and Social Security disability claims. According to Rains, clinic cases come from word-of-mouth referrals from past clients, attorneys in private practice and agencies and courts before which the clinic students practice.

He said students join the Disability Law Clinic for a variety of reasons: the hands-on experience, an interest in disability issues, and to provide service.

"In addition, students gain experience in reading and understanding medical records," said Rains. "There are a lot of areas of the law where you need some amount of medical sophistication."

Jessica Diamondstone '98 was one of those who joined the Disability Law Clinic because she had an interest in special education and disability issues. "It's been extremely educational and very humbling," she said. "You get out of the textbook arena and realize that everything you do is affecting a person. It makes us see the reality of what it is we're supposed to be doing. I would advise any student to do a live clinic. It's so important that you meet and deal with real people. I really don't think we understand the implications and significance until we actually do it."

The building which houses the Family and Disability Law Clinic is a state-of-the-art facility with student offices, conference rooms, electronic legal research technology, and an 1,800-square-foot law library, making it better equipped than many private law offices. At the clinic's building dedication in September 1992, Tom Place said the clinics serve more than the interests of the students in receiving a quality legal education.

"Clinics serve the interests of low-income clients by providing a service that is otherwise unavailable in the community," Place said. "Clinics also serve the community, as we all benefit when disputes are resolved in an orderly manner and when our justice system is available to all citizens."

From the Trustees Docket

Hershey Medical Center receives \$2 million gift

By GARY W. CRAMER
Development Communications

A faculty chair in medical education and a student scholarship fund will be established in the College of Medicine through a commitment of \$2 million from C. McCollister Everts, senior vice president for health affairs and dean of the College of Medicine, and his wife, Nancy.

The Dr. C. McCollister and Nancy L. Everts Chair in Medical Education, endowed with \$1.5 million of the total gift, will support the work of a distinguished faculty member. The student scholarship fund, endowed with \$500,000, will be awarded to academically talented and financially needy

medical and graduate students in the College of Medicine at The Milton S. Hershey Medical Center.

"The chair and scholarship fund combine for the largest gift ever to the University from one of its senior administrators," said President Graham B. Spanier. "We congratulate Mac and Nancy for setting such a wonderful example of support for the important work of the college. Their generosity is truly a landmark in the tradition of giving back to the college by its faculty and staff."

Spanier said the Everts had targeted their gift to two of the College of Medicine's most critical needs — recruiting and retaining more world-class scholars for its faculty ranks and alleviating the high cost of medical education for more of its best students in financial need.

"Increasing the resources available for long-term growth in the college's instructional programs is a top priority," said Spanier, "considering that it receives applications from an estimated one out of



C. MCCOLLISTER AND NANCY EVERTS

every six students seeking admission to America's medical schools."

In 1997, nearly 7,000 applications were received for 110 student openings in the college.

Income from the endowment for the Everts Chair could be used to help the holder develop educational programs for medical students, residents and faculty; refine research methods associated with medical education; and purchase materials and resources to further his or her contributions to teaching, research and public service.

C. McCollister Everts also is president and chief academic officer of the Penn State Geisinger Health System, a professor of orthopedics and a member of the College of Medicine campaign committee for Penn State's forthcoming capital campaign. He was elected to senior membership in the Institute of Medicine of the National Academy of Sciences, one of the highest honors in the field of medicine, in 1997.

"We felt that it was critical for the future of the college to help support students as well as the activities of a key educational leader," said Everts.

Before joining The Hershey Medical Center in 1986, he was professor and chair of orthopedics at the University of Rochester School of Medicine and Dentistry, from which he earned his medical degree, and vice president for development at the University of Rochester Medical Center. He has also chaired the departments of orthopedic surgery at the Cleveland Clinic Foundation, and served as a medical officer in the U.S. Navy.

Everts serves on numerous boards, including those for the Milton Hershey School, the Capital Region Economic Development Corp. and the Association of Academic Health Centers. He is a past chair of the Association of Academic Health Centers, and a past president of the American Board of Orthopedic Surgeons, the American Orthopedic Association and the Association of Academic Orthopedics.

Nancy Everts is a 1954 graduate of the University of Rochester School of Nursing. She has served on the Hershey Museum Board and is a member of the League of Women Voters and the Association of Faculty and Friends.

In the past, the Everts have donated funds for construction of the Biomedical Research Building and chapel, and to the George T. Harrell Society, among other Hershey Medical Center programs.

Trustees hear update on Hershey's artificial heart research

Fifteen years after the much-publicized artificial heart implants of the early 1980s, artificial heart technology is quietly moving into widespread clinical use. Two large efforts are under way to produce a total artificial heart designed to replace a person's natural heart.

Both the College of Medicine in Hershey, working with 3M Health Care in Ann Arbor, Mich., and Abiomed in Danvers, Mass., in collaboration with the Texas Heart Institute in Houston, Texas, are working on the long-term heart replacement devices under a National Heart Lung and Blood Institute contract program. The devices are expected to undergo additional tests in animals later this year and could be tested in humans within five years.

Alan Snyder, associate professor of bioengineering in the College of Engineering and senior research associate in surgery in the College of Medicine, gave the history of artificial heart research and an update to the Board of Trustees on March 20.

Temporary ventricular assist devices, which take over the function of the natural left ventricle, are being used in increasing numbers to keep alive, and even enable the rehabilitation of, patients awaiting heart transplantation. Despite the fact that available systems require wires or tubes traversing the skin, these systems have worked well enough to be considered as alternatives to heart transplantation. Penn State's long-term ventricular assist device, a

"The average heart will pump more than 30 million times in a year. Trying to duplicate this is a great challenge."

Alan Snyder
associate professor of bioengineering

completely implanted device that allows the skin to remain intact, is being developed for clinical use by Arrow International Inc. of Reading.

"By 1963, prominent members of the medical community were willing to testify before Congress that, with proper funding, a working artificial heart could be developed in fairly short order. We would soon realize that this task was much harder than had been thought," said Snyder, who has worked on the project along with the research team at Penn State for more than 20 years. "In the late 1960s, it was recognized that making sure the devices would not damage blood, would not shed blood clots, and would work reliably for two years or more would be formidable tasks. The average heart will pump more than 30 million times in a year. Trying to duplicate this is a great challenge."

While the goal of a total replacement for a nat-

ural heart is still present today and was the driving force initially, the left ventricular assist device (LVAD) has saved thousands of lives and continues to be a major part of heart replacement research, Snyder said. The first application for the LVAD was to permit recovery of a damaged natural heart.

Today LVADs are used mainly to keep patients alive until a heart transplant is available. However, the number of donated hearts has remained at about 2,000 for several years. This means that while patients can survive longer and do better with the LVAD, these patients compete for a severely limited organ supply and the number of patients who ultimately survive has not increased, according to the Penn State researcher.

Therefore, the medical community looks to long-term LVADs and total artificial hearts as solutions for a large number of patients. It is estimated that just in the United States up to 20,000 people per year could benefit from a totally artificial heart and perhaps twice that many would benefit from LVADs.

Snyder said challenges still are ahead. Devices intended for long-term use two years or more, must undergo strictly controlled durability testing before widespread clinical use is considered. The Penn State group expects this formal testing to begin later this year. Snyder's group continues work to design smaller devices for smaller patients, increase durability to five years or more and reduce the need to recharge the batteries.

From the Trustees Docket

Researchers study Penn State's Class of 2000

By VICKI FONG
Public Information

An ongoing study of Penn State's Class of 2000 will help the University assess students' needs, understand their experiences and do a better job of tailoring services and programs.

Patricia Peterson, assistant vice president emerita for student affairs, presented a report on the study to the Board of Trustees at its meeting March 20.

"The longitudinal study is following undergraduates who enrolled at University Park in summer or fall 1996," said Peterson, who is coordinating the study in the Student Affairs Research and Assessment Office. "The purpose is to develop a profile of the Class of 2000 by following these students from their initial enrollment and beyond. We hope that this data combined with data from other questionnaires, focus groups and Penn State Pulse surveys will help us answer many questions about students and student life."

Questions include: What are students' expectations about the Penn State experience at the time they enroll, while they are students and after they have graduated? How involved with their academic lives do students become? How involved with their out-of-class social lives are they? Is involvement related to success or satis-

"We hope that this data combined with data from other questionnaires, focus groups and Penn State Pulse surveys will help us answer many questions about students and student life."

Patricia Peterson
assistant vice president emerita
for student affairs

faction? Do some groups of students fare differently than others?

The study also will provide baseline data that will enable the University to note changes, over time, in the characteristics of Penn State students, she said.

The Class of 2000 Project is a collaborative effort among Student Affairs, Undergraduate Education, University Libraries, several colleges, International Programs, Center for Academic Computing and Office of the Vice Provost for Educational Equity.

Highlights from surveys taken during the freshmen's first week on campus and again at the end of their first year include:

- At the beginning of the year, 60 percent of the students said they were very interested in interacting with faculty and staff outside the classroom, but at the end of the year, only 20 percent reported having interacted often or very often.

- Abilities and areas of knowledge that were top-ranked in importance by students before and after the first year are: acquiring new skills and knowledge, making logical, rational judgments, speaking ability, making moral decisions and using computers and information technology.

- Students report being satisfied or very satisfied with many aspects of their first-year Penn State experience: 77 percent with their choice of Penn State, 69 percent in social, 51 percent in classroom and 42 percent in advising. Some first-year students were still neutral about their classroom and advising experiences, 38 percent for classroom and 29 percent for advising.

"When asked what added most to the quality of their education at Penn State, the students ranked the following experiences: (1) opportunity to make their own decisions (2) learning from their own mistakes and (3) interacting with other students," Peterson said.

The findings are available on the Web at: <http://www.lions.psu.edu/psu/sa/research.html>.

Trustee election ballot positions are announced

Ballot positions for the 1998 election of trustees by alumni have been determined by drawing, a procedure established by the Board of Trustees.

Paula R. Ammerman, associate secretary of the board, conducted the drawing and said ballots for the trustee election will be mailed to Penn State Alumni by April 10. All ballots must be returned to the trustees' office by the close of the election at 9 a.m. Thursday, May 14.

The names of the candidates for three positions on the board to be elected by alumni, and the order in which they will appear on the ballot, are as follows:

- Nancy Van Tries Kidd, '55, '77g, psychologist and mediator, Psychological and Mediation Resources, Boalsburg.

- Steve A. Garban, '59, senior vice president for finance and operations emeritus/treasurer emeritus, The Pennsylvania State University, State College.

- Paul V. Suhey, '79, D.O., University Orthopedics and Sports Medicine Center, State College.

- Barry K. Robinson, '67, vice president and deputy general counsel, Recording Industry Association of America, Bethesda, Md.

- Stephen M. Hladik, '89, attorney, Garban and Luber, Harrisville.

Architects approved for building projects at Berks campus, Hershey Medical Center

The Board of Trustees on March 20 approved the appointment of architects for the academic support building at The Milton S. Hershey Medical Center and an Information Commons at the Thun Library, Penn State Berks.

The firm of Williams Trebilcock Whitehead of Pittsburgh has been selected as architect of the academic support building. The project, part of Penn State's five-year Capital Plan, will provide space for various departments of the College of Medicine and the Penn State Geisinger Health System.

The Hillier Group of Philadelphia has been selected as architect of the Information Commons at the Thun Library. The \$5-million project will provide:

- space for an additional 52,000 books;
- seating and study space for 450 students;
- a multi-media studio with 25 workstations;
- an electronic classroom with 28 workstations;
- a student lounge;
- a conference/seminar room for 30 people;
- a video taping room; and
- staff offices, lounges and work areas.

The Thun Library project was identified in the Berks Campus Master Plan, which was presented and approved at the January meeting of the Board of Trustees.

University set to acquire two properties

With approval from its Board of Trustees, Penn State on March 20 announced plans to acquire the Swan Technology Building in Ferguson Township and another property adjacent to Penn State Altoona.

The Swan Building, on Research Drive in the CATO Industrial Park, was offered as a bargain sale to the University by Latcom Associates.

The property, including a 53,500-square-foot building and 5.6 acres, would fulfill a long-term need for Penn State's Applied Research Lab (ARL) to relocate all its operations. Currently, ARL is

leasing space in the Aqua Penn Building in addition to maintaining projects and activities in the Applied Science Building on the University Park campus and Research Building West. The size of the facility, coupled with its flexibility, will enhance ARL's ability to better respond to research opportunities.

Penn State will purchase the property for \$1,735,000, which is well below market price.

The University also will purchase the Harry Arthur Farm on Gwin Road in Altoona. The property was referenced as a required acquisition in the Penn State

Altoona Master Plan, which was approved by the board in November 1995. The property's strategic location will provide potential space for campus expansion.

The Arthur property includes a two-and-one-half story house, a garage, barn and several sheds, situated on 8.06 acres. The structures will be used to satisfy the campus' storage needs in the short term. An agreement of sale in the amount of \$120,000 plus a charitable gift annuity for \$81,500, net present value \$49,057, were developed through the Altoona Advisory Board, University Development and Penn State Altoona.

From the Trustees Docket

University seeks modest additional appropriation

By ALAN JANESCH
Public Information

Calling Gov. Tom Ridge's 1998-99 proposed budget his "most generous yet for public higher education," President Graham B. Spanier told the Board of Trustees on March 20 that the University will work to support Ridge's proposed 3.25 percent increase for Penn State and to seek a modest additional appropriation.

The 3.25 percent proposed increase translates to \$9.4 million over the current year's appropriation. Ridge's \$17.8 billion budget proposal for 1998-99, unveiled on Feb. 3, earmarks \$299.1 million for Penn State.

Spanier, who in recent weeks has discussed Penn State's budget request at state House and Senate

appropriations committee hearings, said Penn State is grateful for Ridge's recognition of its accomplishments and needs. "The 3.25 percent increase he has proposed is very close to the \$10 million we requested (for basic operating costs)," he said. "It will allow us to stay even."

But Spanier said the University needs additional support for parts of its budget proposal that are intended to improve Pennsylvania's competitiveness and are focused on several high-priority areas. These include additional faculty positions; information technology and libraries; the life sciences; critical academic program priorities; deferred maintenance; and agricultural research and cooperative extension.

"Some legislators have expressed interest in seeing additional funding

dedicated in particular to information technology, workforce development, cooperative extension and agricultural research—all, of course, areas of strength at Penn State," Spanier said. "These also are areas where we have been able to partner with industry to leverage our own contributions. We are working to expand those partnerships further and I am hopeful that we will win more support."

Penn State is asking the Legislature and the governor to support the effort of state Rep. Ray Bunt, R-147th District, Montgomery County, chair of the House Agriculture Committee, to provide an additional 5 percent funding for agricultural research and cooperative extension programs.

"Agriculture is a critically important industry to Pennsylvania,"

Spanier said, "and one that needs to be protected and strengthened by the research and extension activities that have contributed centrally to its remarkable success."

At the House and Senate budget hearings, Spanier promised that Penn State will be a "good steward" of the state funding it receives and noted that an increased state investment in Penn State "will return far more value than the dollars involved." Spanier pledged that "every part of the Penn State community will work to ensure a substantial return" on the state's investment.

The Legislature is expected to make its budget recommendation to the governor in April and the governor's response is expected to follow promptly.

Trustees approve plans for football building, other projects

By KAREN I. WAGNER
Public Information

The Board of Trustees on March 20 approved final plans for the new Louis E. Lasch Football Building, a White Building expansion, a residence hall at Penn State Berks, a chiller building and a new parking lot at The Bryce Jordan Center.

■ The new Lasch Football Building at University Park will be an 89,000-square-foot addition to the Greenberg Indoor Sports Complex. The addition will replace football training facilities in the current Lasch Building, making room for other intercollegiate athletic teams. The facility will include a 185-seat auditorium, meeting rooms, equipment storage, and locker and strength training rooms. Final plans for the facility were designed as a joint venture between L.D. Astorino of Pittsburgh and HOK Sports of Kansas City, Mo. The total project budget is \$14.7 million.

■ The addition to South White Building on the University Park campus will include a first-floor swimming pool and expanded gymnastics training equipment on the second floor. Renovations to the aging facility will include practice and workout spaces and access for people with disabilities. Wallace & Watson Associates of Allentown designed the addition and renovations. The total project budget is \$9 million.

■ The proposed residence hall at Penn State Berks will contain 188 single-occupant rooms and 112 double-occupancy rooms. Occupancy for phase one of the project is scheduled for fall 1999, with phase two scheduled for completion in fall 2000. A 300-space parking lot will be constructed at the same time, to accommodate residents of the new hall. Susan Maxman Architects of Philadelphia designed



the 122,000-square-foot facility. The total project budget is \$17.7 million.

■ The chiller building will provide infrastructure for the Leonhard Building and The New Research Center, which soon will be under construction at University Park. The central chilled water facility is the first phase of a \$15 million project that will support the development of West Campus. Designed by L. Robert Kimball and Associates of Ebensburg, the project also will serve



Artists' renditions

Final plans for the proposed residence hall at Penn State Berks, top, the addition to South White Building on the University Park campus, left, and the Lasch Football Building at University Park, above, were approved by the Board of Trustees. Final plans also were approved for a chiller building at University Park.

future buildings with additional chillers and cooling towers.

■ The growing popularity of The Bryce Jordan Center has resulted in the need for additional parking. The Board of Trustees approved final plans to expand a 414-space lot to 1,170 spaces west of Beaver Stadium. The project, designed in conjunction with Walker Parking Consultants, will include landscaping, walkways and improved access lanes from University Drive. The total project budget is \$1.4 million.

From the Trustees Docket

Room and board rates to increase slightly

The Board of Trustees approved 1998-99 room and board rates at University Park and other Penn State locations. The new rates go into effect July 1.

Room charges for an undergraduate student living in a standard double room will increase by \$55 a semester, from \$1,035 to \$1,090. The charge for Meal Plan 3, or 12 to 13 meals a week — which is the most common meal plan — will increase by \$30 a semester, from \$1,135 to \$1,165. For the 1998-99 academic year, these changes bring the average room and board charge to \$4,510, an increase of \$170 or a 3.9 percent increase. Housing and Food Services at Penn State are self-supporting and these increases reflect rising costs.

Penn State has undergraduate residence halls at University Park, Penn State Erie, Harrisburg, Altoona, Beaver, Berks, Hazleton, McKeesport and

Mont Alto. Graduate residence halls or apartments are available at University Park, Erie, Harrisburg and Hershey. A total of 12,725 students live in University housing at University Park and 17,069 live in University housing systemwide.

Other 1998-99 housing charges per semester are:

- At Penn State Erie and Penn State Harrisburg, apartment rates will increase by \$70 from \$1,290 to \$1,360 per semester per person for double or four-person units.

- Graduate residence hall rates for a standard double room at University Park without a meal plan will increase by \$65 a semester from \$1,190 to \$1,255 while double rooms with a meal plan will increase by \$60 a semester from \$1,075 to \$1,135. Meal plans

will increase from \$30 to \$40 a semester for a range of cost between \$1,065 to \$1,330, depending on the number of meals or points selected. Graduate students are not required to have a meal plan.

- Room rates, for Nittany Apartments at University Park will increase by \$65 to \$70 for a range of \$1,270 to \$1,430 a semester, depending on type of apartment, and monthly rates for Eastview and Graduate Circle apartments will increase from \$20 to \$25 for a range of \$345 to \$510 a month, depending on the number of bedrooms and unit selected.

- Rental rates for the University Manor apartments at Hershey will increase from \$14 to \$36 a month for a range of \$544 to \$1,236 a month, depending on the number of bedrooms and whether or not the unit is furnished.

Medical humanities curriculum raises student consciousness

The teaching of humanities to medical students and residents increases their awareness of human and moral issues as they embark on careers as physicians, and the College of Medicine has been a pioneer in the field of medical humanities.

David Barnard, professor and chair of humanities in the College of Medicine in Hershey, reported on the current status of medical humanities at the College of Medicine March 20 to the Board of Trustees.

Barnard said that "the academic disciplines of the medical humanities emerged as a response to a number of developments in medicine, including advances in technology and research, the needs of dying patients and the allocation of scarce medical resources." He added that "societal forces, like the civil rights, women's and consumer movements,

also have played a major role in the development of medical humanities."

The Department of Humanities at the College of Medicine was the first of its kind when it was established in 1967. He said that along with that honor came "the first school with a required humanities curriculum, the first to present a full theory of medical humanities and the first to publish important scholarly works in the field."

At Penn State, humanities — which includes the areas of history, literature, religion, philosophy, ethics and cultural studies — is taught during all four years of the medical curriculum. Additionally, Barnard said, conferences are offered to medical residents where they discuss the ethical implications of particular patient cases and explore topics like cultural diversity and care at the end of life. Both clinical and basic science faculty members also bene-

fit from the humanities curriculum by familiarizing themselves with ethical issues through opportunities like reading groups and seminars.

Changes in medicine and society lead to changes in the teaching of humanities as well. For example, Barnard observed, changes in health-care economics already have begun to influence the teaching of medical humanities to students and residents. Students now explore topics such as health-care policy, ethical issues related to managed care, patient-centered primary care and the personal integrity of physicians. Likewise, increasing cultural diversity in the patient population has led to studies of the values and norms of those cultures.

The humanities faculty of the College of Medicine consists of six professors, each with individual areas of expertise ranging from literature and medicine to belief systems to death and loss.

Promotions

Staff

Vuong T. Bui, senior technician-research in College of Medicine.

Priscilla S. Carman, research support associate in College of Education.

Kim L. Credito, senior technician-research in College of Medicine.

Nancy L. DeCraepe, staff assistant IV in College of Health and Human Development.

Julie D. Eble, coordinator, publications and promotions in Computer and Information Systems-Telecommunications.

Irene T. Elliott, staff assistant V at Penn State Abington.

Patricia L. Gibboney, staff assistant VI in College of the Liberal Arts.

John J. Givler, senior purchasing agent in Applied Research Laboratory.

Patricia A. Green, deputy security officer in Applied Research Laboratory.

Jack S. Gundrum, system programmer in Computer and Information Systems-Center for Academic Computing.

Tammy E. Hahn, staff assistant VI in Continuing and Distance Education.

Christa L. Haines, staff assistant VI in Division of Development and Alumni Relations.

Suzanne E. Hile, senior technician-research in College of Medicine.

Sharon M. Holzwarth, staff assistant VI in Office of Vice President for Research.

Susan L. Kelley, program manager in College of Medicine.

Patricia L. Madden, staff assistant VI in Continuing and Distance Education.

Hilda E. Nieweg, staff assistant VI in Applied Research Laboratory.

Susan T. Paciolla, staff assistant VII at Penn State Abington.

Donna S. Ream, staff assistant VI in College of Medicine.

Barbara P. Smith, senior research programmer in Computer and Information Systems-Center for Academic Computing.

Kathleen M. Strickler, staff assistant VI in Continuing and Distance Education.

Lucy C. Szklinski, manager for business services in Applied Research Laboratory.

Nancy J. Thorn, marketing communications coordinator specialist in The Smell College of Business Administration.

Laura B. Trince, staff assistant V in Housing and Food Services.

John Van Eck, applications systems analyst in Office of Vice President for Research.

Linda J. Wheeland, staff assistant VII in College of Arts and Architecture.

Laurie Wheeler, staff assistant VI in Graduate School.

James M. Williamson, conference services manager at The Nittany Lion Inn.

Technical Science

John R. Bathurst, maintenance worker/insulating in Office of Physical Plant.

John C. Bickley, food preparer A in Business Services.

Timothy S. Bowmaster, instrument maker in Eberly College of Science.

Gregory A. Butts, lead insulator/steam trap maintenance in Office of Physical Plant.

Tracy K. Cappel, dining hall worker A in Housing and Food Services.

William R. Conway, maintenance worker-general in Housing and Food Services.

Theodore L. Coulter, farm machinery operator in College of Agricultural Sciences.

Linda L. Emel, operator, network production printer in Business Services.

Cathy D. Eutzy, dining hall worker A in Housing and Food Services.

Linda A. Goss, athletic equipment and facilities worker in Intercollegiate Athletics.

Kenneth E. Grubb, lead painter in Office of Physical Plant.

Frank M. Hassinger, lead carpenter in Office of Physical Plant.

William W. Houser, maintenance worker-insulating in Office of Physical Plant.

Lynette H. Immel, dining hall worker A in Housing and Food Services.

Michelle H. Kopp, food processing and bakery worker in Housing and Food Services.

David L. Kresovich, maintenance worker/insulating in Office of Physical Plant.

William R. Laird, maintenance worker-general in Housing and Food Services.

Harry M. Nelson, building custodian at The Dickinson School of Law.

David B. Patislo, catering assistant in Housing and Food Services.

Mission specialist to offer course from space

By BARBARA HALE
Public Information

About 10 days after the scheduled April 16 launch of STS-90, James Pawelczyk, assistant professor of kinesiology and physiology, and his fellow crew members aboard Space Shuttle Columbia's Neurolab Mission will offer students at Penn State and three other universities a live, interactive, distance education experience that's truly "out of this world."

While aboard Columbia, Pawelczyk will offer comments and answer questions from graduate students enrolled in PHSIO/PSIO 510, Physiological Adaptations to Stress. Undergraduate students also will participate in the 10- to 15-minute session.

Peter Farrell, professor of physiology, usually teaches the course in a ground-based distance education classroom, and will moderate the extraterrestrial discussion. Students from the College of Medicine at The Hershey Medical Center will be video-linked for the discussion as they usually are for the course.

During the 17-day mission, Riek Linnehan, mission specialist; Dave Williams, mission specialist; and Jay Buckley, payload specialist, each will participate in similar sessions at North Carolina State University College of Veterinary Medicine (April 27), York University in Toronto, Canada (April 24) and Dartmouth College (April 26), respectively.

Following the spaceflight, the recorded "downlinks" — as the question-and-answer sessions are known — will be used to develop modular lectures in neuroscience and physiology.

"While previous space shuttle missions have held discussions with classes at the K-12 level, the STS-90 Neurolab sessions represent the first time shuttle astronauts will hold live in-flight discussions with secondary and post-secondary school students," Pawelczyk said.

"We use the stress of microgravity and the resulting physiological adaptations as a teaching tool for our students. I think the opportunity to teach about microgravity while having a teacher in space actually experiencing those adaptations is a truly unique educational experience," Farrell said.

Both the live space shuttle segments and the future lecture modules will focus on experiments that the crew will be conducting during the mission for 26 international teams of scientists.

In his live segment from space, Pawelczyk will discuss four experiments on orthostatic intolerance, an inability to maintain consciousness that results from an inadequate blood supply to the brain.

"This condition can occur when a person loses excessive blood volume; is unable to activate a blood pressure regulating system; or experiences

■ "What's in the News" experiment update



Experiments under way

In early December, "What's in the News," a current-events program produced by Penn State Public Broadcasting, invited viewers to participate in four science experiments that correspond directly to experiments to be conducted on the upcoming Neurolab mission. Those experiments are under way in classrooms across the nation, including Howard Pilot's sixth-grade classroom at Park Forest Middle School in State College. Above, Sara Roser-Jones, left, and David Hutchinson, right, spin Hannu Xu in a chair while Pilot looks on. Other students stabilize the chair from the bottom to keep it from rocking.

In another experiment, Josh Cohen, left, closes his eyes to draw a circle on graph paper held up by David Jeffery while "What's in the News" cameraman and co-host Curt Parker records the experiment for the show.

For more information, check the Web at <http://quest.arc.nasa.gov/neuron/video/index.html>.



Photos: Dick Ackley, University Photo/Graphics

higher than normal gravitational forces," Pawelczyk said. "Examples are found in elderly populations, astronauts in the hours after returning from spaceflight and high-performance pilots."

In the other live downlinks from the shuttle, the astronauts will highlight Neurolab experiments on the vestibular or balance system; the importance of vision and gravity to motor-task performance; and the neurobiology of development.

Pawelczyk also is working with elementary school students on this mission. In conjunction with WPSX-TV's "What's in the News" program, he developed ground-based control experiments similar to experiments he will conduct during the mission. Nationwide, students in grades four through six will conduct the experiments.

For more details on the "What's in the News" Neurolab experiments, check the Web at <http://quest.arc.nasa.gov/neuron/video/index.html>.

Courses

To register for the following program offerings on the University Park campus, please see your *Health Matters* brochure or contact Jan Hawbaker at (814) 865-3085, or jqh3@psu.edu.

■ Know Your Numbers (KYN)

Open session on March 30, 8:30 a.m.-4 p.m. by appointment only. To register complete the registra-

tion form found in the *Health Matters* brochure, or contact Jan Hawbaker at (814) 865-3085, or jqh3@psu.edu.

■ Personal Care Products (part of the Non-Toxic Home Series) — WEL 141

Meets Monday, April 6 from noon-1 p.m., 102 HHD

East. Cost: \$5 for each class or \$15 for the entire series.

■ Become a Bicycle Commuter — WEL132

This session covers bicycle safety, laws, equipment and routes. Meets Friday April 3, from noon-1 p.m., in room 110 Henderson Building (The Living Center). No cost.

ARTS & ENTERTAINMENT

AT PENN STATE



Preparing props

Sarah Aydtelt, a scenic artist for the University Resident Theatre Co., paints a background for "Into the Woods." The play opens April 3 and runs through April 11 at The Playhouse on the University Park campus. For tickets, call (814) 863-0255.

Photo: Greg Grieco

Evening with Bolshoi aids Centre County organization

By PAM SEASOLTZ
Special to Intercom

When the world-famous Russian ballet company, the Bolshoi, arrives at Penn State in April it will not only be performing world-class dance but also will be helping a hometown organization.

"The Bolshoi Classical Collection — From Russia With Love" will perform April 8, at 7:30 p.m. at The Bryce Jordan Center. Proceeds from the performance will benefit The Arc, formerly known as the Association for Retarded Citizens of Centre County, an organization that serves people with developmental disabilities. Tickets are \$25 and \$50. Additionally, there is a \$150 ticket that allows for one seat and entrance to a private VIP reception following the performance with the troupe. Seating is still available for the event. Tickets can be purchased at the Jordan Center and all Jordan Center ticket outlets. Tickets for the reception also can be purchased at the Jordan Center.

For the first time in nearly a decade, dancers from the Bolshoi

Ballet Theatre of Russia will tour the United States. Usually commissioned to perform in large metropolitan areas, the 25-city "From Russia With Love" tour is appearing in smaller cities like Asheville, N.C.; Dayton, Ohio; and Wichita Falls, Texas. The Penn State performance is the only stop in the Mid-Atlantic and New England states area, said Bob Howard, general manager of the Jordan Center.

"This is a great opportunity for the community, Penn State and The Bryce Jordan Center," Howard said. "The appearance of this world famous ballet company is a new milestone for us as it enhances our scope of entertainment of what the Jordan Center can provide. We are definitely bringing a different type of world-class entertainment to our community and helping a local organization as well."

A live chamber-sized orchestra will accompany the dance troupe. The dancers will perform a repertoire of classical works, including Don Quixote Suite and La Bayadere (Act II). In addition, some of the

See "Bolshoi" on page 12

Faculty performance

School of Music faculty members Marshall Urban, baritone, and Carl Blake, piano, will present a free performance of Franz Schubert's song cycle "Schwanengesang" on Saturday, March 28, at 3 p.m. in the School of Music Recital Hall on the University Park campus.

Graduate recital

Carina Mausteller, soprano, and Patrick Lawrence, piano, will present a graduate recital at 8 p.m. Saturday, March 28, in the School of Music Recital Hall on the University Park campus.

The concert is free to the public.

Bach's Lunch

The Singing Lions, directed by Peter Kiefer, will perform at the Bach's Lunch concert at 12:10 p.m. Thursday, April 2, in the Helen Eakin Eisenhower Chapel at University Park.

The free, 20-minute concert is part of the Bach's Lunch series, sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

The Singing Lions consist of 18 singers, four instrumentalists and a technical support crew.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge, in the Eisenhower Chapel. Coffee and tea will be provided.

Mixed-choir concert

The Penn State Concert Choir and University Choir will begin their monthlong celebration of mixed-choir singing at Penn State when they share a concert at 8 p.m. Friday, April 3, in the School of Music Recital Hall on the University Park campus.

The concert will feature the University Choir and Sine Nomine, conducted by Anthony Leach, assistant professor of music, and the Concert Choir and Chamber Singers, conducted by Douglas Miller, professor of music. Graduate conducting major Dennis Malfatti will serve as assistant conductor of both ensembles.

Mixed choirs have been part of Penn State's tradition since 1913, and the concert celebrates that 85-year history. A major milestone in the history of mixed choirs at Penn State was a performance in the spring of 1948 of Felix Mendelssohn's "Elijah," beginning a long tradition of singing major choral works. This spring's celebration honors the 50th anniversary of that event.

Tickets for Friday's concert may be purchased weekdays in 233 Music Building 1, University Park. Tickets also will be available at the door. Student tickets are \$2 and non-student tickets are \$4.

Symphony in Williamsport

The Williamsport Symphony Orchestra will perform at 8 p.m. Saturday, April 4, in the Community Arts Center



BRYCE JORDAN CENTER

Sportsman Hunting, Fishing & Outdoor Show

The First Pennsylvania Sportsman Hunting, Fishing, & Outdoor Show will be held March 26-29 at The Bryce Jordan Center on the University Park campus. Show hours are Thursday, 5-9 p.m.; Friday and Saturday, 10 a.m.-9 p.m.; and Sunday 10 a.m.-5 p.m. Tickets are \$5 for general admission. Children 12 and under will be admitted free when accompanied by an adult. A four-day pass is also available for \$14.

The Bryce Jordan Center will be filled with exhibitors featuring sporting equipment, fishing tackle, hunting gear, guides, outfitters, lodges and travel exhibits, taxidermists, archery equipment, sportsmen's organizations and related displays. In addition to all exhibits, there will be daily seminars and clinics on hunting, fishing and outdoor recreation, featuring world-famous outdoorsmen and local experts.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjfc.psu.edu/>.

in Williamsport, part of Penn College. The orchestra is directed by Robin Fountain. As part of the evening's events, the Castilia Trio will perform an all-Beethoven concert and there will be a preconcert lecture by Gary Boerckel at 7:30 p.m. in the Patron's Lounge. Tickets are \$12 and up. For more information, call (717) 326-2424.

Debate club exhibit

Debate and forensics have had a long and distinguished history at Penn State. To commemorate the importance of these student programs, a new exhibit has been installed in Pattee Library on the University Park campus. Titled "International Debates and Championships," the exhibit focuses on the careers and successes of Women's Debate Club adviser Clayton H. Schug, and Men's Debate Club adviser Joseph F. O'Brien. Both men led debate and forensics teams to national and international championships during their long tenures at the University. The exhibit features photographs, newspaper articles, speech topics and trophies. The exhibit is on display outside the Reserve Reading Room, just inside the ground floor entrance of West Pattee.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, March 27

Second Mile Art Auction, The Penn State.
"Bellamyra Trio," noon, concert, Kern.
Jennifer Pawloski, gallery talk on "The Hudson River School Landscape," 2 p.m., Christoffers Lobby, Palmer Museum.
American Repertory Ballet, 8 p.m., Eisenhower Auditorium.
For tickets, call (814) 863-0255.

Graduate Research Competition, 8 p.m., Recital Hall.

Saturday, March 28

Jan Kinney, Story Time, 11 a.m., Special Exhibition Gallery II, Palmer Museum.
"Where the Wild Things Are," American Repertory Ballet, 1 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

■ Marshall Urban, baritone; Carl Blake, piano; faculty recital, "Schubert's Schwanengesang," 3 p.m., Recital Hall.
Cari Mausteller, soprano; Patrick Lawrence, piano; graduate recital, 8 p.m., Recital Hall.

Doug Fisk, piano, student recital, 8 p.m. 122 Music Building II, Sunday, March 29

David Gilem, gallery talk on "American Prints between the Wars," 2 p.m., Christoffers Lobby, Palmer Museum.

Ivan Hodge, violin, student recital, 3 p.m., Recital Hall.
Chris Bygott, saxophone, student recital, 8 p.m., Recital Hall.

Monday, March 30

Gary Vaple, percussion, student recital, 8 p.m., Recital Hall.

Tuesday, March 31

Sesame Street Live, 7 p.m. March 31; 10:30 a.m. and 7 p.m. April 1, Bryce Jordan Center.

Student Composers' Concert, 8 p.m., Recital Hall.

Wednesday, April 1

"Into the Woods," student preview, 8 p.m., The Playhouse, through April 2. For tickets, call (814) 863-0255.

Timothy Hertz, oboe; Timothy Deighton, viola; faculty recital, 8 p.m., Recital Hall.

Thursday, April 2

Singing Lions, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.
Ann Gebuht, composer, student recital, 8 p.m., 122 Music II.

Friday, April 3

"Urban Fusion," concert, noon, Kern.
"Into the Woods," 8 p.m., The Playhouse, through April 11. For tickets, call (814) 863-0255.

Concert Choir/University Choir Concert, 8 p.m., Recital Hall.
"A Capella Late Night" with Shawn Altman, 10:30 p.m., Forum.

Saturday, April 4

"Six-Legged Stationery," stationery from hand-made bug stamps, 10 a.m. to noon, 102 and 108 Headhouse III.

■ Scott Schweigert on "16th- and 17th-Century Italian Paintings at the Palmer Museum," 11:30 a.m., Christoffers Lobby, Palmer Museum.

"All That Is Glorious Around Us: Paintings from the Hudson River School," panel discussion, 1 p.m., Palmer Lipson Auditorium.

Dorina Sansone, flute, and Zach Calins, percussion, student recital, 2 p.m., 122 Music II.

■ Anne Burridge, voice, student recital, 2:30 p.m., Recital Hall.
Barbara Hess, voice, student recital, 5 p.m., Recital Hall.

Steve Miller Band, 7:30 p.m., Bryce Jordan Center.
Hampton String Quartet, 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Carrie Wik, horn, student recital, 8 p.m., Recital Hall.
Sarah Griffin, trombone, student recital, 8 p.m., 122 Music II.

Sunday, April 5

■ "Fruition Posaunum," Penn State Trombone Choir, Ithaca Trombone Troupe and Eastman Trombone Choir, 3 p.m., Recital Hall.

Mary J. Bilge, Usher and special guest NEXT, 7 p.m., Bryce Jordan Center.

SEMINARS

Friday, March 27

Phyllis Moen and Shin-Kap Han on "Interlocking Careers: Pathways through Work and Family for Men and Women," 3:30 to 5 p.m., 124 Sparks.

■ Jacob Golomb on "Kierkegaard's Ideal of Authentic Faith," 4 p.m., 167 Willard.

Monday, March 30

Rustum Roy on "Agricultural Research, Technology and Society," 12:20 p.m., 239 Agricultural Engineering.



Setting up

David Donlity sorts through terra cotta plates for his exhibition in the HUB Formal Gallery on the University Park campus. The plates are on display through April 25.

Photo: Greg Grieco

■ Christine Manteghi on "The Poetics of Wit in German Enlightenment Thought: The Pivotal Role of Gotthold Ephraim Lessing," 12:40 to 1:20 p.m., 101 Kern.

■ Stefano Costanzo on "Grape Downy Mildew in the Italian Vineyards," 3:35 to 4:30 p.m., 112 Bucholtz Laboratory.

Daniel M. Crothers on "DNA Bending, Twisting and Admiration Adduct Formation," 4 p.m., 110 Warik Laboratory.

■ Christiane Schönfeld on "Expressionism and Berlin: The Experience of Spatial Ambivalence," 4:15 p.m., 124 Sparks.

■ Gery Beckman on "The Role of Goddesses in Hittite Religion," 4:30 p.m., 102 Weaver.

Tuesday, March 31

Esin Gulari on "Supercritical Fluids as Polymer Processing Aids," 10 a.m., 140 Fenske Laboratory.

James Eisenstein and Nabil Kallies will talk about integrated courses, noon, 304 Rider II.

Tom Carapella on "Conversion and Reconciliation," noon, 212 Eisenhower Chapel.

Kathy Barton on "Making Branches: Leaf Polarity and Meristem Formation," 4 p.m., 8 Mueller Laboratory.

Frances Selligson on "Nutrition and the Food Industry," 4 p.m., 2-209 Henderson.

■ Claire Farago on "Leonardo da Vinci's 'Treatise on Painting,'" 7:30 p.m. Palmer Lipson Auditorium.

■ Elle Wiesel, Nobel Peace Prize winner, talks about his work on behalf of oppressed people and his personal experience of the Holocaust, 8 p.m., Eisenhower Auditorium.

Wednesday, April 1

Susan DePonte and Linda LaSelle on "Out in Suburbia," film/discussion, noon, 120 Boucke.

■ Christine White on "Aviation Propaganda and the Bolshevik Anti-Religious Campaign, 1920-1927," noon to 1 p.m., 316 Burrows.

■ Richard Krennaway on "Resource Issues and International Politics," 12:30 p.m., 124 Sparks.

Stanley Weintraub, slide lecture on "The Bubble Gum Wars," 3:30 p.m., Rare Books Room, Patten Library.

Jan Barton on "The Relation Between Earnings Management and Risk Management," 3:45 p.m., 333 Eames Business Administration.

Diane Brannon on "Do Good Nursing Homes Achieve Good Resident Outcomes? Project Overview," 4 to 5 p.m., 110 Henderson.

Jacques Derrida on "Poetics and Politics of Testimony: A Self-Unsealing Text," 4:30 p.m., Ballroom, The Nittany Lion Inn.

■ Ludmila Koryokova on Bronze Age Kurgans in Central Asia, 8 p.m., 101 Kern.

Thursday, April 2

■ Laura Korpore on "Like a King: The Death and Burial of Oliver Cromwell," 12:15 p.m., 102 Weaver.

James S. Anderson on "Quantum Monte Carlo," 12:15, S5 Osmond Laboratory.

John Batz on a subject to be announced, 1 p.m., 339 Davey Laboratory.

"Am I a Crook? Copyright Issues on the Internet," 2:30 to 4 p.m., Studio D, Mitchell Building and 141 Computer Building.

Marie Derrin Durand on "The Role of Stochastic Variation in the Evolution of Ultraselfish Genes," 4 p.m., 302 Pond Laboratory.

■ Felimoh Tobing-Rony on "On Cannibalism and Historical Memory in Film," 4 p.m., 101 Kern.

Donne Allen on "The Ethics of How Women Are Seen Through the Media's Eyes," 4 p.m., College of Communications' Carnegie Cinema.

Lewis V. Baldwin, author of three significant volumes on Martin Luther King Jr., 7:30 p.m., Paul Robeson Cultural Center.

John M. Kulick on "Toward More Realistic Design," 7:30 p.m., Applied Research Laboratory Auditorium.

Tim Palmer on "River Conservation in America," 8 p.m., 22 Delke.

■ Ross H. Munro on his book *The Coming Conflict with China*, 8 p.m., Schwab Auditorium.

Akira Tomonura on "The Microscopic World Unveiled by Electron Waves," 8 p.m., 104 Keller.

Friday, April 3

Akira Tomonura on "Real-Time Observation of Magnetic Vortices in Superconductors Using Electron Waves," 11 a.m., S5 Osmond Laboratory.

■ William Schlesinger on "The Global Carbon Cycle and the Duke Forest Free-Air CO₂ Enrichment Experiment," 3:35 p.m., 101 Agricultural Science and Industries.

Pierre Kerszberg, author; John McCumber, panelist; and Avery Goldman, moderator; on "Critique and Totality," 4 p.m., 124 Sparks.

Blannie Bowen on "Promotion and Tenure," 3 to 5 p.m., 114 Kern.

Tim Palmer on "The Columbia Watershed of the Northwest," 4 p.m., 206 Walker.

EXHIBITS

Computer Building

"Naked and Not Ashamed," by Tia Dillard, through April 30.

HUB Browning Gallery

■ Photographs of architecture in Germany by Gary Catchen, through April 5.

HUB Fennel Gallery

■ David Donlity exhibits terra cotta plates, through April 25.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

North Helle Cultural Lounge

Ceramic pieces by Paul Zuber, through May 7.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 1.

"American Printmakers, 1920 to 1945," through June 14.

"All That Is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Wering Hall Multi-Purpose Room

Simon Bray exhibits his ecrylic works, through April 29.

Zoller Gallery

M.F.A. Exhibition by Tom Towater and Roberta Moore, through April 4.

M.F.A. Exhibition by Carrie Ann Plank and Heather Reed, April 5-14.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Gift continues Penn State Erie



Where the money will go

The endowment will be structured as follows:

- \$2 million will be used to create undergraduate scholarships, allowing the Penn State Erie School of Business to recruit students of the highest calibre. First priority will be given to business students participating in the Schreyer Honors College and Penn State Erie honors programs.
- \$2 million will provide graduate fellowships for both applied and basic research projects, aiding local businesses in their role in the global marketplace.
- \$3 million will be used to provide a permanent source of funding for library and information technology resources.
- \$2 million has been designated to support executive continuing education and business outreach efforts. This will include support for outreach efforts as well as workshops and seminars which will promote the economic competitiveness of Erie and northwestern Pennsylvania, particularly in management information systems.
- \$1.5 million will endow a chair in international business concentrating on areas including international trade, marketing and free enterprise.
- \$1.5 million will support a chair in entrepreneurship, focusing on the creation and management of new business enterprises, addressing a critical need for the creation and development of new business enterprises in the region.
- \$1.5 million will establish a chair in the management of technology, concentrating on the management of technological and organizational change needed to achieve global competitiveness in manufacturing.
- \$6.5 million has been set aside to support future initiatives in consultation with the donor.

Why do some donors choose to give

By LISA M. ROSELLINI
Public Information

Giving credit where credit is due. A simple, honorable notion — in fact, an idea highly touted by most management manuals. It's a no-brainer. Acknowledging someone's performance, their thoughtfulness or their generosity comes naturally to those of us trained as children about the magic found in the words "please" and "thank you."

But what about people who desire no recognition but deserve considerable kudos?

On March 25, Penn State Erie received a \$20 million gift that will have a serious impact on academic life at that location. The money, which will go toward scholarships, fellowships, the library, outreach efforts, faculty initiatives and endowing faculty positions, is the second largest gift to date in Penn State's current capital campaign and the third-largest in its history. And it came with a request for anonymity — a peculiar twist to those not familiar with the philanthropic world.

"The motivations behind anonymous giving are as varied and diverse as the people who give," said Rodney Kirsch, vice president for development and alumni relations for Penn State. "The very act of philanthropy, particularly major commitments, is a deeply personal matter and the University takes seriously its responsibility to honor donor wishes."

"There are not just one or two reasons you can point to as a driving force behind anonymous giving," he said. "Changing circumstances allow donors to change their minds and identify themselves."

Karen Mack, a publicist for the Campaign for the University of California, Los Angeles, said her institution has had a number of anonymous gifts over the last several years. For the most part, according to Mack, donors wish to go unnamed because of issues of family security or because they don't want to be "pestered."

"We have one donor in particular who almost always gives anonymously," she said. "In our initial campaign he gave \$5 million and recently gave more than \$20 million. He keeps a low profile and likes it that way."

In 1996, UCLA received a gift of \$45 million that, at the time, was considered anonymous. Nothing was revealed about the donors, but the money was going toward the construction of a neuroscience and genetics research building. Still the largest gift to date ever received by UCLA, the building now bears the name of the givers.

"We kept their names out of the press. These donors are Holocaust survivors who actually have two last names, because they changed it when they escaped to this country," she said. "The donors asked us not to reveal any information about them at that time and we did not."

Anonymous donors, particularly those that give sizable contributions, pique the interest of the public, according to Rita Shell, assistant professor of behavioral science at Penn State Harrisburg, because not only does the nameless individual lend an air of mystery to a gift that very few could match, but humans are curious and welcome a challenge.



John Lilley, provost and dean at Penn State Erie, standing second from left, Magenau, director of the School of Business at Erie, seated at right, are joined by business students Andy Liang, seated left, Peter Lemajic, standing left, and Jen Beham. A \$20 million gift to Erie will endow undergraduate scholarships, graduate fellowships, faculty chairs and more for the School of Business.

publicly, but our 11th donor they prefer to be anonymous.

Weiland said that the and, like Shell, he acknowledged itself to speculation by others.

"Reporters do play a role to the gift and have it been said. "In our case, the chance our donor is chosen really made a difference."

Penn State's Kirsch said take the act of giving becomes a tiny change lives.

"I find anonymous donors to be every bit as committed to announce their intentions."

e tradition ve anonymously?

"It's really a personality type," Shell said. "Some people are outgoing and enjoy the attention. Others might want to be altruistic, but shy away from the spotlight. Obviously this person does not want to have attention focused upon them, but they want to do something nice."

In some cases, Shell said, people may just prefer the intrinsic satisfaction or internal feelings of knowing that they have done something good.

The idea of "doing something good" is what prompted an unnamed donor to recently give \$30 million to the University of St. Thomas in St. Paul, Minn. The gift is believed to be the largest given anonymously to any college or university in the United States this year.

"This was the largest gift ever in our 110-year history," said Richard Weiland, executive director of development for the University of St. Thomas. "In this particular case, the donor wanted to have a tremendous impact at this institution, but didn't want to be played by calls from others seeking money."

"They wanted to give, but didn't want their vision clogged. The main thing that they sacrifice is the direct thanks from students. But they can still see the wonders and glories of their gifts as they watch faculty or students benefiting from the programs they have endowed."

In other instances, Weiland said many givers really do believe that giving is a personal matter, and it's best to "keep this candle under the basket."

"In my 20-plus years of experience in development I have found that some givers maintain the notion that giving secretly or privately is how giving should be done," he said. "They are driven from a more sacred or spiritual reason. The gifts can be \$30 million or they can be \$1,000 — they are all important gifts. We prefer to thank our donors for their gifts. It's honor the wishes of the donor." If you, so be it."

Some who donate are all moved to give for different reasons. Some are motivated by the desire to be remembered that anonymous giving at this level does lend itself to the same considerations and the media.

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Gift brings Erie closer to its long-term goals

The gift of \$20 million to the School of Business at Penn State Erie will help it move closer to its vision of becoming a nationally recognized school through integration of high-quality teaching, research and outreach activities. The school, which conducts research and provides expertise for firms in the tri-state region, offers degrees in the following:

- accounting
- business economics
- business, liberal arts and sciences
- economics
- management (including general, operations and management information systems) and
- the MBA

By next fall, the school expects to introduce three new majors, including, management and international business; marketing; and marketing and international business.

Other highlights of the School of Business include:

- The school is home to the Economic Research Institute of Erie, (ERIE), which collects, analyzes and disseminates information about the economy of Erie County. With the support of grants from organizations like the Manufacturer's Association of Northwest Pennsylvania, Met-Ed/Penelec, and the Erie Conference on Community Development, ERIE has been able to provide information such as year-ahead forecasts of employment for the county, cost-of-living projections and a comparison of employment by industry in the county over the last 35 years. All of the data it collects and analyzes is made available

free of charge. This research has resulted in an improved understanding of the regional economy and its links to the national economy. ERIE has been designated one of five research affiliates of the Pennsylvania State Data Center.

■ Penn State Erie has just become a partner in the Premier FastTrac program through the Ewing Marion Kauffman Foundation's Center for Entrepreneurial Leadership in Denver, Colo. This will give the college the right to provide an exclusive array of courses for students interested in entrepreneurship, as well as strategic growth and operations planning for established area businesses.

Penn State Erie is offering the courses at the undergraduate as well as the graduate level, as an affiliate of the Small Business Institute. This summer, two aspects of the FastTrac program will be offered to the region's business community. Courses will be available for those considering starting their own businesses as well as for those who are seeking to improve their established businesses.

■ The school is offering an innovative team-taught course to students enrolled in the Lake Erie College of Osteopathic Medicine (LECOM) this semester, helping students learn about the business of being doctors. According to the U.S. Small Business Administration, health care is the largest small business industry in Pennsylvania. Early in the semester, the nine-member teaching team met with its class of 125 first-year medical students to explore their concerns.

Gift

continued from page 1

Lilley noted his pleasure in being able to extend increased scholarship opportunities to students. Also on hand for the gift announcement was Edward P. "Ted" Junker III, chairman of Penn State's Board of Trustees and a longtime supporter of the college through his service on the Penn State Erie Council of Fellows.

"We are ecstatic about this record-setting gift," Junker said. "As the college prepares to celebrate its 50th anniversary as a Penn State campus, this is a wonderful reminder of the important role philanthropy has played throughout its history."

Penn State Erie was established in 1948 when Mary Behrend, widow of Ernst R. Behrend, a co-founder of the Hammermill Paper Co. in Erie, donated the couple's Glenhill Farm estate and its surrounding 400 acres to Penn State.

Junker, who is chairing Penn State Erie's portion of the University's capital campaign, also noted that the college has four schools including the School of Business, the School of Engineering and Engineering Technology, the School of Humanities and Social Sciences, and the School of Science.

"I hope the announcement of this gift will

"The scholarships and chairs will significantly enhance the quality of students who enroll in and the quality of the professors who accept positions with our School of Business."



John Magenau, director
School of Business, Penn State Erie

encourage others in the region to give serious consideration and support to Penn State Erie. The impact of this kind of gift on the vitality of the region is immeasurable."

"The scholarships and chairs will significantly enhance the quality of students who enroll in and the quality of the professors who accept positions with our School of Business," said John Magenau, director of the School of Business. A professor who is offered a chair receives annual funding over and above salary to support research activities, equipment needs and travel.

The University holds endowed gifts in perpetuity, investing the principal and using part of the income to support programs designated by donors. The remaining income is added to the principal to protect it from inflation and increase its purchasing power.

The \$20 million gift to Penn State Erie is the second largest gift to be announced by Penn State during this advance gift phase of its capital campaign, following the gift of William and Joan Schreyer, who donated \$30 million last spring to establish the University-wide Schreyer Honors College. The largest gift in Penn State's history was a \$50 million donation from The Milton S. Hershey Trust and Foundation to establish The Milton S. Hershey Medical Center in 1963.

Elsewhere in Higher Education

The following information was gleaned from the internal publications of the institutions mentioned.

■ Freshmen entering the University of North Carolina in the year 2000 will be required to have laptop computers, provided the university can aid low-income students and ensure that computers on campus will be able to "talk" to each other.

The initiative is part of an ongoing effort to enhance the curriculum through the use of computers. Making laptop computers mandatory is part of the Carolina Computing Initiative, a segment of a campuswide technology plan. The initiative would also allow UNC to pool its collective buying power and purchase computer equipment for students at lower costs, making it affordable to everyone.

■ A special committee on alcohol abuse has been formed at the University of Pennsylvania. Among its missions, the committee is charged with looking into binge drinking and alcohol-related violence and making recommendations to university President Judith Rodin.

■ Northwestern University's board of trustees in early March accepted a recommendation from the administration to close its School of Dentistry in the year 2001, allowing all current dental students to complete their degrees there. Some of the dental school operations will continue in other areas of the university. In closing the school, the administration cited the difficulty of private institutions such as Northwestern to compete with leading public dental schools, which receive between \$30,000 and \$60,000 per dental student annually in support from the state of Illinois. Once the school closes, some of the 54 faculty members who worked there will be offered positions in other Northwestern schools and some will be offered other arrangements. Staff also either will be offered employment opportunities elsewhere in the university or receive severance pay.

■ At Yale, a five-year \$1.3 million grant from the Andrew W. Mellon Foundation will be used to establish

a Center for Language Study as a resource for instructors teaching foreign languages. The center will provide a place where language instructors can come together to share pedagogical problems and work out solutions.

A \$950,000 Andrew W. Mellon Foundation grant will be used by the University of Michigan, the University of Chicago, Northwestern University and the University of Wisconsin to bolster the teaching of several languages and areas that attract only a small enrollment. Work on the teaching of Hindi and Middle Egyptian will be carried out by faculty at Michigan and the University of Chicago, while work on Swahili will be undertaken by faculty at Wisconsin and Northwestern.

■ The School of Engineering at the University of California, San Diego, has received a \$15 million endowment from CEO and chairman of Qualcomm Inc., Irwin M. Jacobs, and his wife, Joan. The money will go toward expansion of the school, faculty recruitment, student fellowships and scholarships, facilities, equipment and pilot research.

The school, which is less than 30 years old, is being named the Irwin and Joan Jacobs School of Engineering. It is the first school to be named at UCSD.

■ The University of Florida will give retired U.S. Army Gen. H. Norman Schwarzkopf an honorary doctorate in public service during a special academic convocation today. Schwarzkopf served as commander of the allied forces during the Gulf War.

■ The president of Case Western Reserve University in Ohio will resign June 30 after a 12-year term. Agnar Pytte, who served since July 1987, holds the record for the longest any president has been on board at Case Western since the 1967 federation that created the institution.

■ The University of Chicago will hold its 1998-99 room and board charges at the 1997-98 levels. As a result, the college "term bill," which includes tuition and room and board, will increase only 2.74 percent, the smallest increase in 30 years. Tuition will increase 3.69 percent to \$22,902. Room and board charges will remain at \$7,606.

■ The University of Virginia has increased the goal of its \$750 million fundraising campaign to \$1 billion. The campaign was launched publicly in October 1995 and is scheduled to conclude at the end of 2000. To date, it has raised \$673 million.



Seats still available

Tickets are still available for the April 8 performance of the Bolshoi ballet company. Proceeds from the performance will benefit The Arc, an organization that serves people with developmental disabilities. For tickets, call (814) 865-5555 or (800) 863-3336.

Bolshoi

continued from page 8

world's greatest ballets will be highlighted in the one-night performance.

"For the first time in a very long while, Americans will have the opportunity to see some of Russia's top current young and talented dancers," said Bernie Lawrence, president of BLO Productions, producer of the event.

According to James Purdum, general manager of Hospitality Services and president of The Arc board of directors, co-promoting the ballet was beneficial for both Penn State and The Arc.

"The Arc shared in the financial responsibility to bring such high caliber performers to our area and was willing to help. Once again, this shows Penn State's commitment to being involved with local service organizations to better the community in which we live.

"You don't have to be a ballet enthusiast to enjoy this performance," Purdum said. "By buying a ticket you'll not only see the world's finest ballet, but you'll be helping people with developmental disabilities in our community."

The Arc of Centre County serves

more than 200 individuals with developmental disabilities. Services provided by The Arc include residential, family support, early intervention, advocacy and employment. The Arc is a member agency of the United Way. This year The Arc will be celebrating its 45th year of service.

The Bolshoi Ballet is a 200-member company, however, only the top 25 dancers are picked to tour. The Bolshoi has been established for more than 200 years and was first introduced to the free world in 1956.

Many of the ballet's dances have been choreographed by former Bolshoi dancer Vladimir Vassiliev, who is now artistic director and principal of the Bolshoi Theatre. Vassiliev is considered one of the world's greatest dancers and choreographers and has worked with prominent ballet masters including Yuri Grigorovich, Ksian Goleizovski, Maurice Bejart and Roland Petit. He has produced dances in the famous operas Khovanshchina, La Traviata and Swan Lake.

For more information about the Bolshoi Ballet, contact The Bryce Jordan Center at (814) 865-5555 or 800-893-3336. For information about The Arc, contact Effie Jenks, executive director, at (814) 238-1444.

EMPLOYEE BENEFITS

A regular column provided by
the Office of Human Resources

Your personal benefits statement is available

Each year, concurrent with the benefits open enrollment period, faculty and staff receive a statement of current benefits. Individuals have found these statements to be valuable reference material and have often requested duplicates or revised versions.

Faculty and staff members now may access their personal benefits information at the Office of Human Resources Web site at <http://www.ohr.psu.edu/>. The personal benefits statement provides both coverage and premium information, as well as dependent information, for the following benefits: Health Plan; Dental Plan; Vision Plan; Life Insurance; Voluntary Accidental Death and Dismemberment; Long-Term Disability; Flexible Benefits; Retirement Plan; and Tax-Deferred Annuities.

The information is maintained on a secure server. To ensure confidentiality of this personal information, faculty and staff members must provide an access account user ID (obtained from the Center for Academic Computing) as well as an access account password. Many individuals have a CAC account ID to send and receive e-mail. If you have an account, your user ID is the letter and number combination that is the first part of your e-mail address (i.e., ABC3). Your password is the one that is used to log into your e-mail account through CAC.

If you are using a different e-mail system, you may not have an access account user ID and need to obtain one from the Center for Academic Computing. The page that requests the user ID and password also provides a link to information about obtaining a CAC user ID.

To access your personal benefit information:

- go to the Web page at <http://www.ohr.psu.edu/>
- click on "Benefits"
- select "Penn State Employee Benefits Statement"
- click on "Start"
- click on "OHR Benefits"
- provide your access account ID number and password; click on "OK."

To maintain confidentiality of your personal benefit information, it is important to follow the instructions for logging off.

Faculty/Staff Alerts

Children's Day

Children ages three to 12 are invited to explore the world of anthropology at Penn State's Matson Museum of Anthropology Children's Day from 10 a.m. to 4 p.m. on Saturday, April 18 on the University Park campus.

Children can help make a totem pole, be part of the museum scavenger hunt, make masks and do face painting. They can also dig for artifacts and take part in games and story reading. Children should come prepared to get dirty and have fun.

The cost is \$3 per child with advanced registration, or \$4 at the door. To make reservations, call Wendy at (814) 865-2509. The Matson Museum is on the second floor of Carpenter Building, directly behind the Nittany Lion Shrine on the University Park campus. For more information, call (814) 865-1231.

Fulbright competition

Competition for 1999-2000 Fulbright scholar awards opened March 1 and those who qualify have the opportunity for lecturing or advanced research in almost every area in nearly 130 countries.

Basic eligibility requirements for a Fulbright scholar award are U.S. citizenship and a Ph.D. or comparable qualifications. The deadline for lecturing or research grants for 1999-2000 is Aug. 1. Other deadlines are in effect for special programs: Distinguished Fulbright Chairs in Western Europe and Canada (May 1); and Fulbright seminars for international education and academic administrators (Nov. 1).

For more information, contact Penn State's Office of International Programs at (814) 865-0414.

Environmental education conference

The Pennsylvania Alliance for Environmental Education (PAEE) is bringing its 1998 annual conference to The Penn State Conference Center Hotel, on Nov. 6-8. The conference, "Migration: Risk the Journey," will appeal to classroom teachers, administrators, naturalists and other resource people from around Pennsylvania and beyond state borders.

Proposals for conference workshops and presentations are being accepted until May 1. For a proposal application, visit the conference Web site at <http://www.outreach.psu.edu/C&I/PAEE/>.

To place your name on a registration mailing list, call (800) PSU-TODAY. Registration brochures will be mailed in August.

Call trace available

The Office of Telecommunications has added the call trace feature to all University Park student, faculty and staff (862, 863 and 865) telephone exchanges. Call trace is activated by dialing 184, and is charged on a per-use basis.

Call trace enables receivers of obscene, harassing or life-threatening calls to quickly activate a trace against the telephone number used to place the call. This number is captured and sent to the Bell Atlantic Unlawful Call Solutions Center, and, at the request of the student, faculty or staff person, referred to University Police Services for investigation.

Individuals are encouraged to notify Police Services if an obscene, harassing or life-threatening phone call has been received. Call trace does not automatically alert Police Services that such a call has occurred.

Call trace is able to trace only the number of the last call received and should be used only in the case of obscene, harassing or life-threatening calls. A \$1 fee will be charged for each activation.

Detailed instructions for using call trace are outlined for residence hall students on the OTC Web site at <http://www.otc.psu.edu/student/features.html> and for faculty and staff at <http://www.otc.psu.edu/services/features.html>.

Those living off-campus who receive obscene, harassing or life-threatening phone calls should refer to the instructions at the front of the Bell Atlantic Telephone Directory and contact the local police department.

Electronic health news available

Penn State's University Health Services is offering an electronic news service for families of students at the University Park campus.

Updates on preventive health programs, vaccination clinics and general health-related information will be e-mailed several times each semester to families who subscribe.

Currently, University Health Services provides information through an extensive Web site, which includes a "Quick Tips Advice Line." Students submit general health questions electronically and receive confidential responses to their e-mail address. An electronic prescription refill service is also available through the site. For more information, or a subscription to the news service, send your name and e-mail address to 216 Ritenour Building, University Park, Pa. 16802; or complete the subscription form on the Web at <http://www.psu.edu/UHS/>.

Park and Pool discontinued

In the past, a free parking alternative was offered to employees on the University Park campus to encourage carpooling. The initial location for this lot was the gravel Park and Pool lot south of the Meats Lab, across Port Road from Beaver Stadium. In 1996, this lot was made a reserved lot and the Park and Pool lot was relocated to Research Park.

Since the relocation, this lot has had minimal use and the program is being eliminated at the end of the spring semester. The program should not be confused with the Park and Ride program that CATA offers. All Penn State employees and students who park their vehicles on campus must obtain a parking permit. If anyone has any questions, please contact the Parking Office at (814) 865-1436, Monday through Friday, 8 a.m.-7 p.m.

New databases available

The University Libraries has added access to several databases.

■ African American database

The African American Biographical Database, 1790-1950, is now available to all Penn State locations via the Web at <http://naab.chadwyck.com/>, and it is available on the Collections page of the Libraries' Web site at <http://www.libraries.psu.edu> and the LIAS Fast Track menu.

The database is composed of the more than 290 sources comprising the series Black Biographical Dictionaries, 1790-1950, and substitutes electronically for their index, Black Biography, 1790-1950, A Cumulative Index. As such, the African American Biographical Database is a historical database, covering narratives on leading African Americans who lived and worked before 1950. The database will be expanded by Chadwyck-Healey on a bimonthly basis with the addition of newly discovered dictionaries and other sources.

■ ArchivesUSA

ArchivesUSA is now available through LIAS on the Web and the Libraries' Collections home page. This resource provides access to an integrated database of three major information resources: the National Union Catalog of Manuscript Collections, the National Inventory of Documentary Resources in the United States, and Directory of Archives and Manuscript Repositories in the United States.

ArchivesUSA gives access to the holdings of and contact information for more than 4,400 repositories, and indexes to nearly 100,000 special collections. Faculty, staff and students at all Penn State campuses can access ArchivesUSA directly at <http://archives.chadwyck.com/>, via the Fast Track menu (<http://www.lias.psu.edu/>), or from the listing of electronic resources on the Libraries' Web site at <http://www.libraries.psu.edu/pubinfo/collect.html>.



River conservation is topic of April 2 lecture

River conservation author Tim Palmer will present a lecture, "River Conservation in America," at 8 p.m. Thursday, April 2, in 22 Deike Building on the University Park campus. Palmer's appearance will conclude this year's John R. Bracken Lecture Series.

Palmer received his bachelor of science degree in landscape architecture from Penn State. While a student, he worked at the Centre Regional Planning Commission, where he drew plans for regional bike paths. Elements of this work were incorporated into the construction of the center section of the State College bypass and have acted as a catalyst for much of the progress made and still continuing in the planning and building of bike paths in the county.

Before graduation, Palmer collaborated with the School of Forestry and the Department of Landscape Architecture to develop a master plan to establish protected status for the Pine Creek watershed. He continued his work in river-centered planning as a Lycoming County planner before he embarked on a new career canoeing or rafting on more than 300 different embattled rivers throughout North America. His active role in river conservation has made him one of the nation's leading experts on the current plight of American rivers.

The lecture is free to the public.

Pollard Lecture discusses physical flexibility of DNA

Donald M. Crothers, Sterling professor of chemistry and professor of molecular biophysics and biochemistry at Yale University, will present the 1998 Ernest C. Pollard Lecture at 4 p.m. Monday, March 30, in 110 Wark Laboratory on the University Park campus.

The free public lecture, "DNA Bending, Twisting and Admiration Adduct Formation," will focus on the role of antitumor and related drugs and sequence-specific binding proteins in controlling the shape of the DNA molecule, which has important consequences for its function. Crothers' laboratory was among the first to characterize the physical flexibility of DNA, challenging the long-held supposition that DNA existed in a rigid, double-helical rod-like structure.

Crothers earned a bachelor of science degree in chemistry in 1958 at Yale University, a degree in biochemistry at Cambridge University in 1960, and a doctoral degree in chemistry at the University of California, San Diego in 1963. He completed postdoctoral research in biophysics at the Max-Planck-Institute in Germany. He then moved to Yale, where he holds his current post.

The Ernest C. Pollard Lecture is named in honor of the professor of physics who taught at Penn State from 1961 to 1971 and founded the Department of Biophysics. The Department of Biochemistry and Molecular Biology has incorporated the Pollard Lecture into a program of spring 1998 lectures. The remaining lecture in the series is the Stone Memorial Lecture, featuring Alexander Johnson of the University of California at San Francisco, scheduled for April 13.

combine discussion and film documentation of testimonies and the process of reconciliation as the nation negotiates its history of apartheid and abuse and moves toward a more democratic, open society. Wilson's appearance is sponsored by the Pennsylvania Historical and Museum Commission, Dickinson College and the Penn State Downtown Center.

Filmmaker to discuss South Africa's past April 16

Can the truth about South Africa's past bring about reconciliation? South African filmmaker Lindy Wilson will discuss her country's attempt to unravel its denied past during a free nighttime presentation April 16 at the Penn State Downtown Center in Harrisburg.

Wilson's presentation will center on the South African "Truth and Reconciliation Commission" and will

Structural engineering lecture set for April 2

John M. Kulicki, president and chief engineer of Modjeski and Masters, Consulting Engineers, will be the featured speaker at the Thomas C. Kavanagh Memorial Structural Engineering Lecture at 7:30 p.m. Thursday, April 2, in the Applied Research Laboratory Auditorium on the University Park campus.

Kulicki will talk about "Toward More Realistic Design," a look at issues and trends in design which generally move the design process toward recognizing the changing physical environment and a more accurate representation of the physical actions taking place as structures respond to loads.

Kulicki has more than 30 years of experience in bridge analysis and design and is a 1996 recipient of the International Bridge Conference's George S. Richardson Medal. He received his B.S. in civil engineering from Lafayette College and his M.S. and Ph.D. in civil engineering from Lehigh University.

Lecture to focus on ethics of how media view women

Donna Allen, president and founder of the Women's Institute for Freedom of the Press, will deliver the 1998 Oweida Lecture in Journalism Ethics on Thursday, April 2. Allen's lecture, "The Ethics of How Women Are Seen Through the Media's Eyes," will be at 4 p.m. in the Carnegie Cinema on the University Park campus. The lecture is free to the public.

The Women's Institute for Freedom of the Press, which Allen founded in 1972, publishes the annual *Directory of Women's Media*, various books and the monthly *Media Report to Women*, which Allen edited and indexed throughout its first 15 years. She is the author of *Media Without Democracy* and *What to Do About It* and co-editor of *Communications at the Crossroads: The Gender Gap Connection* and *Women Transforming Communications: Global Intersections*.

An economist and historian who taught at Cornell University, Allen has received several awards.

Answer the question, "Am I a Crook?" on April 2

"Am I a Crook? Copyright Issues on the Internet," a teleconference on Thursday, April 2, from 2:30-4 p.m., will be shown in Studio D, Mitchell Building and room 141 Computer Building on the University Park campus via a live satellite feed. This PBS program is designed for anyone who is creating or teaching a course with online components. Top authorities on copyright law will give clear facts on "fair use" when dealing with an electronic environment.

To register, contact Nancy Hallberg at ndw1@cde.psu.edu or (814) 865-5403. Include your name, phone number, e-mail, department and your room choice for viewing the program. More information and an online registration form can be found at <http://www.outreach.psu.edu/DE/FacDev/program.html>.

Panel discussion of exhibit set for April 4

The Friends of the Palmer Museum of Art will sponsor a panel discussion in conjunction with the exhibition "All That Is Glorious Around Us: Paintings from the Hudson River School" at 1 p.m. Saturday, April 4, in the Palmer Lipcon Auditorium on the University Park campus. Panelists Linda S. Ferber, curator of painting and sculpture, Brooklyn Museum of Art; William H. Gerdts, professor of art history, City University of New York; and Franklin Kelly, curator of American and British paintings, National Gallery of Art, will discuss the exhibition within the context of America's first native school of painting—the Hudson River School. Jan Keene Muhlert, director of the Palmer Museum, will moderate.

Admission is free; however registration is required by April 1. To attend, call (814) 865-7672, or e-mail name, address and phone number to rps133@psu.edu.

Learn about electric utility deregulation April 9

The Pennsylvania State Data Center's Spring Lecture Series, which offers free noon lectures to the public, kicked off this month and will continue April 9 with a talk by David Rolka of the Public Utility Commission. Rolka will discuss the current and future status of electric utility deregulation and its impact on the Commonwealth.

The series concludes April 30 with a look at "Official Misconduct and the Power of the Independent Counsel." Assistant Professor Beth Farmer and Lance Cole, the Joseph B. Kelly legal writing fellow, both from The Dickinson School of Law, will look at how we feel about our public officials, why we are concerned about official misconduct, what is the appropriate role of a public official, trends in the levels and types of official misconduct and what the future brings for the powers of the independent counsel.

For information, or to reserve a seat at any of the lectures, call (717) 948-6464. The talks are held at the Penn State Downtown Center, 234 N. Third St. in Harrisburg.

March 30 talk to examine "Expressionism and Berlin"

Professor Christiane Schönfeld, Department of German, University of Wales at Lampeter, will present a lecture on "Expressionism and Berlin: The Experience of Spatial Ambivalence" at 4:15 p.m. Monday, March 30, in 124 Sparks Building on the University Park campus. Schönfeld received her Ph.D. from Penn State and is a specialist in 20th-century literature, with a concentration in German Expressionism. The lecture is free to the public.

More Lectures

Changes in global CO₂ cycle to be discussed

William H. Schlesinger, James B. Duke professor in the Departments of Botany at Duke University, will present a seminar, "The Global Carbon Cycle and the Duke Forest Free-Air CO₂ Enrichment Experiment," at 3:35 p.m. Friday, April 3, in 101 ASI Building on the University Park campus. The presentation is sponsored by The Plant Sciences Seminar Series and the Earth System Science Center.



WILLIAM H. SCHLESINGER

response to global change, and currently serves as principal investigator for the National Science Foundation-sponsored program of Long Term Ecological Research at the Jornada Experimental Range in southern New Mexico.

Schlesinger holds a joint appointment in the Division of Earth Sciences of the Nicholas School of the Environment. Completing his A.B. at Dartmouth in 1972, and Ph.D. at Cornell in 1976, he joined the faculty at Duke in 1980. He is the author or co-author of more than 100 scientific papers and the textbook *Biogeochemistry: An analysis of global change* (Academic Press, 2nd ed. 1997). He was elected a member of the American Academy of Arts and Sciences in 1995. He also has testified before U.S. House and Senate committees on a variety of environmental issues.

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Philosopher to differentiate two concepts of testimony

Jacques Derrida, influential and controversial philosopher and theoretician of literature, will give the Department of Philosophy's 1998 Dotterer Lecture at 4:30 p.m. Wednesday, April 1, in the ballroom of The Tittany Lion Inn on the University Park campus.

Derrida teaches at the École des Hautes Études en Sciences Sociales in Paris and has been a regular visiting professor at Yale, Johns Hopkins and the University of California at Irvine. He will speak on "Poetics and Politics of Testimony: A Self-Unsealing Poetic Text." The lecture will focus on the concept of *témoignage* (testimony, attestation, witnessing, bearing witness, etc.) in distinction from *preuve*

(evidence, proof, demonstration) and will take as its guiding thread the reading of Paul Celan's poem "Aschengloire."

Derrida is the author of numerous books, including *Of Grammatology*, *Margins of Philosophy*, *Disseminations*, *Given Time* and *The Gift of Death*.

Along with the lecture, the Department of Philosophy also will honor the achievements of undergraduate and graduate philosophy students by announcing the winners of the David Stang Graduate and Undergraduate Student Essay Awards, the Jabir Shibley Memorial Scholarship, the Ray H. Dotterer Scholarship and the David R. Lachterman Book Award.

commemorated with a crowned effigy and buried in Westminster Abbey. Does the monarchical funeral confirm that Cromwell had indeed become a king in all but name? Did Cromwell's regime make any difference in the long-term governance of England? Knoppers addresses these questions by exploring varied accounts of Cromwell's death and funeral in manuscript diaries, newspapers, pamphlets, elegies and visual engraving. For more information, call (814) 865-0495.

Two physics lectures planned

Akira Tonomura, senior chief scientist of the Hitachi Advanced Research Laboratory in Japan, will give the 1998 E. W. Mueller Memorial Lectures in Physics on April 2 and 3, on the University Park campus. The free public lectures are sponsored by the Department of Physics and the Eberly College of Science.

Tonomura will give two lectures: "The Microscopic World Unveiled by Electron Waves," intended for a general audience, at 8 p.m. Thursday, April 2, in 104 Keller Building; and "Real-Time Observation of Magnetic Vortices in Superconductors Using Electron Waves" at 11 a.m. Friday, April 3, in S-5 Osmond Laboratory.

Tonomura has been a leader for several decades in developing electron

holography, or electron interferometry, which produces a three-dimensional optical image from electron and laser beams. He and his group developed image-processing and other techniques that made possible the use of electron holograms for practical applications in science and technology.

Tonomura has been the recipient of numerous awards. He has held a number of research positions at various laboratories and institutions and in 1985, joined the newly formed Hitachi Advanced Research Laboratory. In 1990 he was promoted to senior chief research scientist of the Hitachi Advanced Research Laboratory, a position he currently holds. He also is visiting professor at the Tokyo Institute of Technology.

STS lecture series begins on April 7

Samuel Florman, co-chairman of Kreiser Borg Florman Construction Co., will present "The Intropective Engineer" at 2:30 p.m. Tuesday, April 7, in 214 Boucke Building on the University Park campus. Florman is the first of three speakers in the Science, Technology and Society Distinguished Speakers series.

The second speaker, Margaret Wertheim, is a science writer and commentator who will discuss "Science and Religion" at 3:30 p.m. Thursday, April 16, in Willard Building, and "Pythagoras' Trousers: God, Physics and the Gender Wars," at 7 p.m. in S209 Henderson Building on the University Park campus.

Hans Peter Dueser, one of Germany's leading physicists, will visit Penn State April 20-22. During his visit he will lecture on "The 1.5 Kwatt Sustainable Society and Quantum Physics of Medicine."

For the April 7 talk, Florman, who has written and presented extensively

on issues exploring the relationship between technology and society, will discuss his recent book, which is the same title as his lecture. Florman argues that the quality of human life depends on increasingly creative technological solutions to society's problems. He holds that engineers are a driving force in providing these technological solutions; therefore, it is critical for engineering to be more familiar with and more deeply understood by society.

Florman is the author of five books and has written more than 200 articles. He is a Fellow of the American Association for the Advancement of Science, the American Society of Civil Engineers, and the National Academy of Engineering.

Florman received his master's degree in civil engineering from the Thayer School of Engineering and an M.A. in English literature from the Columbia University. He is a licensed professional engineer in New York.

Future of the U.S. food system is topic of April 17 talk

John Connor, professor of agricultural economics at Purdue University, will deliver the 1998 Warehime Lecture at 10 a.m. Friday, April 17, in 301 Agricultural Administration Building on the University Park campus. Connor will discuss the "Future of the U.S. Food System in a Global Economy: The Northeast's Role."

Connor has studied the economics of the U.S. food processing industry and has published three books and several articles and monographs on his work. The lecture is being held in conjunction with the conference "The Good Industry: Pennsylvania's Opportunities for the New Millennium," in Lancaster on April 15 and 16. Connor will be the keynote speaker at the conference, an event sponsored by Penn State's Department of Food Science and the Food Industry Group.

Calf-rearing teleconference planned

Dairy cattle producers, agricultural professionals and other people with an interest in the dairy industry can get updates on the latest technology and management techniques of calf rearing by watching two satellite teleconferences to be broadcast live Tuesday, April 21, and Tuesday, April 28, from 7:30 to 9 p.m.

Titled "Calf Nutrition and Management," the broadcast will be downloaded at some Penn State Cooperative Extension county offices. The broadcast can be easily tuned in by anyone with a public or private satellite dish.

Questions can be submitted during the broadcast by calling (800) 778-1010, or before and during the teleconference by sending a fax to (814) 863-9877.

For more information, visit the Web at <http://www.fas.psu.edu/calfuplink>, or call (800) PSU-1010. For the location of the downlink site nearest you, contact the Penn State Cooperative Extension office in your county.

LIVES! series continues on April 2

The Institute for the Arts and Humanistic Studies, as part of its LIVES! Lecture Series, presents Laura Knoppers, associate professor of English and term Fellow of the Institute for the Arts and Humanistic Studies, at 12:15 p.m. Thursday, April 2, in 102 Weaver Building on the University Park campus.

In her lecture, "Like a King: The Death and Burial of Oliver Cromwell," Knoppers will discuss why Oliver Cromwell, supporter of regicide, was

Appointments

College of Engineering names associate dean

Larry C. Burton, professor and head of electrical engineering, has been appointed associate dean for administration and planning for the College of Engineering effective April 1. Burton replaces George J. McMurtry, who is retiring at the end of March.

As associate dean for administration and planning, Burton will be responsible for budget and finance, human resources, space and facilities, computing and strategic planning for the College of Engineering.

Burton has served as the head of the Department of Electrical Engineering since 1990. Before coming to Penn State, he held faculty positions at Texas Tech, the University of Delaware and Virginia Tech. Burton has extensive industrial and consulting experience, and was worked for companies such as Leeds & Northrup Co. and Ford Motor Co.

Burton received his Ph.D. in physics from Penn State and his B.A. and M.A. in physics from Temple University. He is vice president of the National Engineering Department Heads Association and holds memberships in the Institute of Electrical and Electronics Engineers (IEEE) and the American Society for Engineering Education (ASEE). His research interests include semiconductor devices and electronic ceramics.

Lehigh Valley names coordinator of professional development

Mary M. Katona has been named coordinator of professional development at Penn State Lehigh Valley. In this position, Katona will work to create a professional development center for teachers in the Allentown School District, which will be expanded to other districts later. Acting initially as a liaison between Penn State and the school district, Katona will provide graduate and in-service programs.

Before her appointment, Katona was employed for 10 years as an English/journalism teacher at Bethlehem Catholic High School, and more recently as the interim assistant director and instructor for Project Upward Bound at East Stroudsburg University. She received her master's degree in education from East Stroudsburg and her B.A. in English communication from Allentown College of St. Francis de Sales.

Penn State Mont Alto welcomes coordinator of student activities

Angela Lynch is the new coordinator of student activities at Penn State Mont Alto. Lynch received her master of arts degree in college student personnel from Bowling Green State University, Ohio, and holds a bachelor of arts degree in American studies from Penn State. Following the completion of her baccalaureate degree, Lynch



LARRY C. BURTON

interned in Penn State Mont Alto's Campus Life Office.

Lynch's duties in her new position include advising the Student Activities Council, supervising the Conklin Chamber, acting as a liaison among clubs and organizations and Student Affairs, and coordinating student activities, including performances and events. Lynch is a member of the American College Personnel Association and the National Association of Campus Activities.

Penn State Shenango announces appointment of new CEO

William C. Puffer, academic dean of Monroe College's Bronx and New Rochelle campuses, has been named campus executive officer at Penn State Shenango, effective May 15.

Puffer has 18 years of administrative experience with responsibility for academic affairs, student services and community and corporate relations. He served as director of the Institute for Retraining at Briarcliffe College and the New York Institute of Technology. He served as associate provost for the New York Institute's Old Westbury campus before accepting a position as dean of the Islip campus.

Puffer earned his B.A. in government from St. Lawrence University and his Ph.D. in higher education administration from the State University of New York at Buffalo. He has published numerous articles on collective bargaining, strategic planning and academic governance and is affiliated with the American Association for Higher Education.

Ex-Hershey Foods vice president gains agribusiness professorship

Barry L. Zoumas, recently retired vice president of science and technology at Hershey Foods Corp., has been named Alan R. Warehime professor of agribusiness in the College of Agricultural Sciences.

The professorship was endowed in 1989 by Alan R. Warehime, the late president of Hanover Foods, to enhance the college's commitment to the development of agribusiness leaders. The Warehime professor will develop a program integrating business, economics and international perspectives into the college's academic courses and act as a catalyst for collaborative projects in agribusiness education and research across departments in the college and the University.

Zoumas spent most of his business career at Hershey Foods, starting as the manager of nutritional sciences in 1970. In 1981, he was promoted to vice president and assumed additional responsibilities as vice president, technical, for Hershey Chocolate USA. As the chief technical officer at the corporation for 16 years, he provided leadership for more than 300 employees. His staff developed new products worth more than \$600 million. He also implemented the modernization of all chocolate manufacturing systems and the construction of three new manufacturing facilities.

Zoumas was responsible for all agribusiness programs, including a cocoa plantation in Central America. He also has international experience.

He earned a bachelor's degree in chemistry from Kutztown University in 1964. Zoumas earned a master's degree in nutrition in 1966 and a doctorate in nutrition in 1969, both from Penn State.



BARRY L. ZOUMAS



ANGELA LYNCH

Bookshelf

Paul K. Canavan, director of physical therapy and rehabilitation at the Center for Sports Medicine, is editor of and contributor to the book *Rehabilitation in Sports Medicine: A Comprehensive Guide*, published by Appleton & Lange (a subsidiary of Simon & Schuster), 1998.

The book is a unique contribution in the field of sports medicine bringing together many physical therapists, athletic trainers, physicians, nutritionists, physiologists and psychologists. Several Penn State and Penn State Geisinger Health System employees contributed to the book.

Darwinism, Dominance and Democracy, a book co-authored by Steven A. Peterson, director of the School of Public Affairs and professor of politics and public affairs at Penn State Harrisburg, and Albert Somit, distinguished service professor emeritus at Southern Illinois University, has been published by Praeger Publishers.

In their book, the authors give thought-provoking explanations as to why democratic societies are the exception rather than the norm and how humans may be "hard-wired" for the rule of the few over the many. The authors argue that the human tendency toward intractability is part of the answer to overcoming this innate tendency to strive for political and personal dominance. In the final analysis, the book states that an understanding of human nature from an evolutionary perspective can help explain and change this phenomenon.

A new book, *Borscht Belt Bungalows: Memories of Catskill Summers*, detailing 100 years of Jewish summers, tells the "untold" history of New York is truly a labor of love by Irwin Richman, professor of American studies and history at Penn State Harrisburg. Richman draws upon a lifetime of personal experience to profile the bungalow colonies that cropped up every summer in the Catskills.

Every year between 1920 and 1970, nearly 1 million of New York City's Jewish population summertime in the Catskills. Hundreds of thousands still do, but while much has been written about grand hotels like Grossinger's and the Concord, little has appeared about the more modest bungalow colonies where more than 80 percent of the Catskill visitors stayed.

A cultural study, history and memoir woven into an in-depth look at Catskill summers, the book is published by Temple University Press in Philadelphia.

Theatre in Cyberspace: Issues of Teaching, Acting and Directing is a book edited by Stephen A. Schrum, an instructor in theatre arts at Penn State Hazleton, that has been published by Peter Lang Publishing of New York.

Theatre in Cyberspace: Issues of Teaching, Acting and Directing is a collection of 17 essays divided into three sections dealing with the use of the Internet and other modern technology in the teaching and production of theatre.

The first section, "Why Computers and Theatre," contains four essays which serve to dispel the notion that there is no logical connection between technology and the stage. The second section is "Computers and Teaching" and features an essay titled "Begin With a Simple Step: Adding Technology to a Course," which was written by Schrum. Other writings in this section address distance learning and instructional uses of the Internet and the World Wide Web. The third section is titled "Computers and Performance" and deals with the use of virtual reality and online theatre.

Private Giving

College campaign chair donates \$3.2 million

The College of Arts and Architecture is building a solid foundation for its share of Penn State's forthcoming capital campaign. Leading by example, College Campaign Chair Donald W. Hamer, and the Hamer Foundation, have endowed several specific projects included in an overall \$3.2 million gift to Penn State.

Hamer is president of State of the Art Inc., a State College-based electronics firm. He designated \$2 million to establish the Hamer Center for Community Design Assistance, which will help the recently formed School of Architecture and Landscape Architecture make great strides in its commitment to community service and outreach. The center will address community environmental and quality-of-life issues; provide career development possibilities for Penn State faculty and students; and add value to the region.

Hamer's endowment also will help to secure the future of the Palmer Museum of Art. Since the museum's reputation depends on the works in its



DONALD W. HAMER

permanent collection and the traveling exhibitions that it originates or hosts, the Donald Hamer Endowment for Art Acquisition and Exhibitions will help to maintain and improve the museum's already distinguished reputation. The endowment provides \$250,000 to the Palmer's director, allowing her great

latitude to purchase works of art and/or to pursue exhibitions of interest to the community of residents, students and scholars.

The remainder of the gift will fund early ac-

tivation of programs, support University Libraries' internships and establish undergraduate scholarships in electronic and photonic materials for the College of Earth and Mineral Sciences and in electrical engineering for the College of Engineering.

Hamer founded State of the Art in 1969. The company develops and manufactures miniature electronic components for the avionics, space, communications, medical and military industries.

In 1995, he was named Renaissance Man of the Year. More than \$100,000 was raised in his name for the Renaissance Fund, which endows scholarships for academically talented Penn State students who have financial need. He also has been named an Outstanding Engineering Alumnus by the College of Engineering. In addition to his involvement with the Palmer Museum, Hamer has served with such local organizations as Pennsylvania Centre Stage, the ClearWater Conservancy, the Centre County Historical Society and the Centre County Community Foundation.

Harrisburg Black Cultural Arts Center rededication, renaming to be April 14

The Penn State Harrisburg Black Cultural Arts Center will be formally rededicated and renamed the Oliver LaGrone Cultural Arts Center on April 14.

A sculptor, humanitarian, artist and poet, LaGrone died in 1995 at the age of 89, ending a relationship of more than 20 years with Penn State Harrisburg and the University. The April 14 ceremonies will begin at noon in the Olmsted Auditorium, followed by an exhibit in the Gallery Lounge and refreshments in the newly named LaGrone Cultural Arts Center.

The tribute to LaGrone and the dedication ceremony will be presented by Penn State Harrisburg's Black Student Union and the Minority Academic Excellence Program.

An English and economics major at Howard University in the late 1920s, LaGrone's education was temporarily cut short when he had to leave school and return home when his father fell ill. He eventually graduated from the University of New Mexico with degrees in sociology and fine arts and then attended Cranbrook Art Academy near Detroit where he became the protégé of famed sculptor Carl Milles. LaGrone eventually became the first African American to graduate from Cranbrook.

Supporting in his spare time and working at other jobs to sculpt his family, LaGrone worked at the Ford Rouge plant in the 1940s and in international relations for the United Auto Workers. Then, during the McCarthy Era, the Detroit Loyalty Committee asked him to inform on his friends, particularly Paul Robeson. Although there would have been financial reward in it, LaGrone refused and lost his UAW job.

He eventually became a teacher in Detroit and in 1970 his affiliation with Penn State began when he was invited to lecture in art and African American history at University Park. In 1975, he became artist-in-residence, working at all University locations across the Commonwealth. He was later artist-in-residence to the Hershey Foundation and the Boas Center for Learning in the Harrisburg School District.

LaGrone's poems, articles and reviews appeared in such publications as the *Saturday Review*, *Negro Digest* and *The New York Times Sunday Book Review* section. Two LaGrone sculptures can be found at Penn State Harrisburg.



A shot in the dark

Dave Goncalves looks over the pool table before taking his next shot. Goncalves, whose hand is visible through the darkness above, was spotted recently at the pool tables in the Penn State Conference Center Hotel on the University Park campus.

Photos: Greg Grieco



Internet 2 advisory councils announced

The University Corporation for Advanced Internet Development (UCAID) recently announced the initial members of three advisory committees that will guide higher education's advanced networking efforts, including the Internet 2 project, in which Penn State is heavily involved.

Drawn from industry, academia and government, the advisory council members have all made significant contributions to Internet development and will assist UCAID in the areas of advanced application development, network policy and planning, and network research.

— The Network Planning and Policy Advisory Council, with interim Chair J. Gary Augustson, executive director of computer and information systems at Penn State, will provide input on the planning, development and management of advanced networks for research and education.

— The Applications Strategy Council, initially led by Thomas A. DeFanti of the University of Illinois at Chicago, will advise on the conceptualization, functionality, technical design and development priorities of advanced network applications.

— The Network Research Council, with interim chair Lawrence H. Landweber, the John P. Morgridge professor of computer science at the University of Wisconsin at Madison, will provide guidance on how to transfer computer systems and network research into use by UCAID members.

For the names of the members assigned to each of the advisory committees, go to http://www.ucaid.edu/html/council_announce.html

UCAID members are developing the broad-band applications, engineering and network management tools for research and education as part of the Internet 2 project. Internet 2 is a collaborative effort by more than 120 U.S. research universities, working with partners in government and industry, to develop a new high-speed computer network that will be 10 times faster than the current Internet.

For more information about UCAID, see <http://www.ucaid.edu>. The Internet 2 project home page is located at <http://www.internet2.edu/>.

Spanier urges support for communications networks

By ALAN JANESCH
Public Information

Washington, D.C. — To do the best job possible of training the more than 1 million new computer scientists and engineers the information technology workplace will need in the coming years, higher education needs reliable and efficient communications networks that are available everywhere.

And to make sure that those networks are in place, Penn State President Graham B. Spanier Tuesday (March 24) urged the House Committee on Education and the Workforce's Subcommittee on Early Childhood, Youth and Families that public investment "in network infrastructure and basic research be combined with freedom for competitive market forces to promote efficiency and lower costs."

Spanier said key initiatives include:

- continuing the government/university/industry partnership in support of advanced development for the Internet, the decentralized network that links more than 35 million computer users worldwide;

Penn Staters

Charles E. Bakis, associate professor of engineering science and mechanics, presented a paper, "A Comparison of Pull-Out and Tensile Behaviors of FRP (fiber reinforced plastic) Reinforcement for Concrete" at the International Conference on Composites in Infrastructure.

Bakis also co-organized and was keynote speaker at a workshop on fiber composites in infrastructure construction and maintenance in Bombay, India.

Robin Becker, associate professor of English and women's studies, has been awarded the Virginia Faulkner Award for Excellence in Writing. She was honored for the poem "In the Days of Awe" and the essay "I'm Telling! Secrecy and Shame in One Jewish-American Family."

The Faulkner Award is supported by charitable contributions in honor of Virginia Faulkner, former editor-in-chief at the University of Nebraska Press and fiction editor at *Prairie Schooner*.

Maureen Carr, professor of music at Penn State, received a Distinguished Alumni award from the University of Wisconsin-Madison in recognition of her teaching and scholarly accomplishments. The committee in charge of the award cited Carr's significant contributions within the realm of college teaching, publishing and service.

Kristen Fichthorn, associate professor of chemical engineering, has received a Humboldt Fellowship, which supports engineers and scientists from around the world and enables them to conduct research in Germany.

Connie Flanagan, associate professor of agricultural and extension education, has been appointed to the Society for Research in Child Development's Committee on Child Development, Public Policy and Public Information for a four-year term.

Anibal González-Pérez, Edwin Eric Sparks professor of Spanish, was named editor of a new monograph series, the *Bucknell Studies in Latin American Literature and Theory*. González-Pérez also has been named guest editor of the *REVISTA IBEROAMERICANA* for a special issue commemorating the centennial of 1898 in Spanish America.

George Hamilton, senior lecturer in agronomy, Peter Landschoot, associate professor of turfgrass

— promoting policy that supports the transfer of newly developed Internet technology to all segments of the education community; and

- developing open standards and protocols that will ease the transition to more advanced generations of the Internet.

The nation's need for information science and technology workers covers a wide range, and higher education must balance the development of specific information technology skills with long-term competencies in communications, management, and other disciplines, Spanier said.

"There's a need for a spectrum of skills and sophistication ranging from two-year degrees to Ph.D.s," Spanier said. "There is also a need for students in nearly every major to develop significant competency in information science and technology applications."

Spanier is chair of the National Association of State Universities and Land Grant Colleges (NASULGC) Commission on Information Technologies and a founding board member of the University Consortium for Advanced Internet

science, and Charles Mancino, associate professor of turf/soil science, presented papers at the Eighth International Turfgrass Conference in Sydney, Australia.

Paul Heller, professor of entomology, received the 1997 Distinguished Service Award for "outstanding leadership and contributions to the turfgrass industry" from the Pennsylvania Turfgrass Council Inc.

Charles L. Hosler, professor emeritus of meteorology, has been recognized by the American Meteorological Society as an honorary member because of his career contributions to meteorology. Honorary membership is one of the most prestigious awards of the society, and only about 25 people worldwide have been so honored.

Larry Hull, professor of entomology at the Fruit Research and Extension Center in Biglerville, presented a paper on "Management Tactics to Encourage Biological Control of Insect and Mite Pests on Apples in the United States" in Suwon, South Korea, at an International Symposium on Biological Control of Insect Pests.

Austin J. Jaffe, Philip H. Sieg professor of business administration and research director of the Institute for Real Estate Studies, delivered a keynote address, "The Costs of Ignoring Institutional Factors in International Property Research," at the Pacific Rim Real Estate Society International Conference in Perth, Australia.

Howard G. Knutgen, editor-in-chief of the *Penn State Sports Medicine Newsletter*, was awarded the Olympic Order by the Council of the Olympic Order in Nagano, Japan. Knutgen has coordinated scientific publications for the International Olympic Committee's Medical Commission for the past 10 years. Knutgen has been editor-in-chief of the newsletter since its inception in 1992.

Gerald C. Lauchle, professor of acoustics in the College of Engineering, was recently elected to a three-year term on the Board of Directors of the Institute of Noise Control Engineering.

L.N. Mulay, emeritus professor of solid state science (physics and chemistry) in the College of Earth and Mineral Sciences, presented a paper at the Fifth

Development. Spanier told the subcommittee that the Internet has reached a point where it is "no longer able to reliably handle the expanding information and communications needs of our universities."

Penn State is a leader in the development of Internet 2, a network that will be substantially faster than the current Internet and able to handle highly complex applications essential to higher education's missions of teaching, research and service. The University Consortium for Advanced Internet Development, an organization of more than 100 research universities nationwide, is overseeing the Internet 2 project.

Spanier also urged the subcommittee to support a House bill (H.R. 3332) that will provide funding for the federal government's Next Generation Internet initiative, an effort that is separate from but highly compatible with the Internet 2 project.

"The development of advanced network technologies will depend on a continued partnership of government, universities and industry," Spanier told the subcommittee.

International Chemistry Congress of North America in Cancun, Mexico. He discussed the orientation of electron spins in very fine particles of iron.

Mulay also was elected Fellow of the Royal Society of Chemistry for his contributions in understanding various types of magnetic phenomena, and has published three advanced texts on the "Theory and Applications of Magnetism."

Days Like Prose, a collection of poems by Alan Michael Parker, assistant professor of English and creative writing at Penn State Erie, has been named a "Notable Book of 1997" by the National Book Critics Circle. In addition, Parker was awarded a \$10,000 fellowship in literature in 1998 by the Pennsylvania Council on the Arts. The Fellowship in Literature is the highest award given by the council, and only nine are given statewide. Parker was chosen from more than 200 applicants for the prize.

Christopher S. Ruf, associate professor of electrical engineering in the Communications and Space Sciences Laboratory, was awarded the 1997 IEEE Transactions on Geoscience and Remote Sensing Prize Paper Award for "Retrieval of Tropospheric Water Vapor Scale Height from Horizontal Turbulence Structure," co-written with Sean E. Beus, a graduate student in the electrical engineering department.

The award was presented to Ruf and Beus for development of a remote sensing technique which extracts additional vertical humidity information from satellite images intended to measure horizontal humidity fields.

Dave Saxe, associate professor of social studies education, was appointed by Gov. Tom Ridge to serve as a member of the Pennsylvania State Board of Education for a six-year term. He is the first Penn State professor of education to serve on the board. Saxe represents the position on the board designated for an active faculty member in higher education. The State Board of Education has the statutory power, authority and responsibility to investigate Commonwealth educational systems and promulgate regulations, standards, rules, policies and principles to govern education in the Commonwealth. It also reviews and approves school district reorganization and the establishment of public postsecondary institutions.

Real race talk faces hard truths

By VICKI FONG
Public Information

Race does matter in American society, and future national forums need to address how race has shaped our attitudes, our experiences and, therefore, our policies, said an expert on cultural studies.

"President Clinton's early race initiatives provided a starting point to move beyond the political obsession with affirmative action, which constantly hinders genuine dialogue. But recent calls to 'celebrate and respect our differences' reduces the issue to individual civility and ignores the interplay of race and power in connection with essential matters such as housing, employment, voting, and school funding," said Henry Giroux, Waterbury Chair professor of secondary education in the College of Education.

Giroux is a prominent social critic and observer of popular culture and education. His research analyzes themes of race, education, popular culture and politics resulting in more than 20 books, the most recent

being *Channel Surfing: Race Talk and the Destruction of Today's Youth* (St. Martin's Press, 1997) and *Pedagogy and the Politics of Hope* (Westview Press, 1997).

"Conservative critics and right-wing activists have diminished social problems to personal character failures and clamoring for a so-called 'colorblind' society, which has never existed," he said.

To ignore race is to ignore the founding principles of American democracy, said Giroux. The real



Henry Giroux, Waterbury Chair professor of secondary education, has done extensive research analyzing themes of race, education, popular culture and politics.

Photo: Greg Grieco

goal of democracy is to embrace differences — whether they be race, religion or class — and expand access to privilege and power. That access is the true crux of most political and ideological battles in the U.S.

Giroux said identity politics from the 1960s to the present have allowed people to affirm themselves under the banners of race, gender, sexuality, ethnicity and nationality, but these philosophies have not gone far enough in providing a

new social vision rooted in equality that would organize progressive interactions between people of all races.

"That lack of an overall social vision allowed right-wing activists to step into the fray during the 1980s and 1990s and redefine whites as victims of racial politics, rather than as people who have historically defined and regulated the social relations, privilege and power in the U.S., and who must help expand such access to all groups of

people," he said. "Liberals offered young white people only options of guilt or remorse, with little understanding of how race affected policies."

In his most recent scholarship, Giroux has studied the mythical "angry white male" rhetoric and the O.J. Simpson "race card" hype, both of which have frequently dominated newspaper and magazines and the radio and TV talk shows. In addition, he has detected racial code words and images that subtly teach stereotypes about race and youths to the public in movies, television, media and commercials.

"During past presidential elections, certain societal concerns — crime, welfare and education — have been branded with negative minority images, particularly African American, in order to generate voter fear and support, shifting attention away from the upheavals related to deregulation, deindustrialization and globalization," Giroux said.

He said future forums sponsored by the Task Force on Race or by individual communities should honestly address the economic, political and social problems that continue to promote racial discrimination.

"Race is not the enemy. Bigotry and intolerance are the real enemies of democracy," he said. "Let us rewrite our national identity and, in doing so, embrace cultural and racial differences as fluid and complex, but also as a strength of our society shored up by a commitment to equal rights, justice, freedom and participation in democracy."



Sniff out produce that absorbs odors

Ever crunched a carrot or munched an apple that tasted slightly different than normal? Chances are your taste buds raised a big stink about odors absorbed from other foods stored in close proximity.

Many fruits and vegetables tend to cause off-flavors and aromas in meat, dairy products and other fruits and vegetables, said Peter Ferretti, professor of vegetable crops in the College of Agricultural Sciences.

"The closer and more enclosed the fresh produce is, the more chance for odors to intensify," Ferretti said. "Consumers shouldn't experience startling taste changes three or four days after purchase, but beyond that you might have problems with off tastes."

Kathleen Brown, associate professor of post-harvest physiology, suggests consumers try to rotate their produce purchases, using the oldest fruits and vegetables first.

Ferretti and Brown list some popular fruits and vegetables whose odors penetrate other foods.

- **Apples.** Apple odor is absorbed by cabbage, carrots, figs, onions, meat, eggs and dairy products.
- **Carrots.** Celery can absorb the odor of carrots.
- **Onions (large bulb types) and garlic.** Aromas from bulb onions affect apples, celery, potatoes and pears.
- **Green bunching or scallion onions.** Odors from these onions affect corn, figs, greens and mushrooms.
- **Pears.** Pear odor is absorbed by cabbage, carrots, celery, onions and potatoes.
- **Potatoes.** Aromas from potatoes affect apples and pears.
- **Green peppers.** Green pepper odor will be absorbed by many botanical fruits, including pineapples.
- **Citrus fruit.** Citrus odor is absorbed by meat, eggs and dairy products.
- **Grapes.** Most commercial grapes are treated with sulfur dioxide for disease and insect control, giving the fruit a sulfurous aroma. Ferretti recommends washing grapes thoroughly to wash off the sulfur residue and a smell.

Brown suggests separating produce into individual bags, or using one crisper drawer only for fruits and the other for vegetables. Bagged or wrapped produce is less likely to absorb or emit odors.

Progress continues for new heart bypass surgery procedure

Efforts are moving forward in the College of Medicine on pre-clinical work to develop techniques for performing minimally invasive heart bypass surgery. This minimally invasive surgery is performed through incisions in the chest walls smaller than the diameter of a pencil.

Ralph Damiano Jr., chief of cardiothoracic surgery, and his team are working with Computer Motion Inc., of Coletta, Calif., to perfect the micro-surgery.

In conventional open-heart

bypass surgery, a deep incision is made down the chest, and splitting the breast bone is necessary to allow visualization and access to the heart. Recovery can take from a few weeks to several months. With minimally invasive surgery there are no incisions, only ports the diameter of a pencil. During the procedure, the surgeon sits before a screen several feet away from the operating table and views the heart on a television monitor. The surgeon controls the instruments with specifically designed han-

dles connected to a computer. The computer translates the surgeon's movements precisely to robotic arms attached to the operating room table. The benefits of this kind of procedure include shorter hospital stays, decreased pain and faster recovery times.

The Hershey Medical Center and Computer Motion Inc. are working with the FDA to get proper clearances for these procedures. Damiano hopes human clinical trials can begin later this year.

INTERCOLLEGIATE ATHLETICS

A regular column provided by Intercollegiate Athletics

Three-point attack raises \$15,000

The Sy Barash Coaches vs. Cancer IKON 3-Point Attack generated in excess of \$15,000 to support cancer research, patient services and prevention education. Pledges are received for each three-point field goal scored by the Nittany Lions and Lady Lions. The total contributions rank Penn State among the top dozen participating institutions in the nation and No. 2 in the Big Ten Conference.

Gymnastics championships

With the return of world class performer Mike Dutka, Coach Randy Jepson is optimistic about the Nittany Lions' chances of participating in the NCAA Men's Gymnastics Championships at The Bryce Jordan Center on the University Park campus on April 16-18. Dutka recently received a waiver from the Big Ten Academic Progress and Eligibility Committee. For gymnastics ticket information, call the Jordan Ticket Center at (814) 865-5555.

Former star headed to Lacrosse Hall of Fame

One of the all-time greats of Penn State women's lacrosse, Candy Finn, is heading to the National Lacrosse Hall of Fame. Finn, a 1982 graduate, is one of 10 members nominated in the class of 1998. She led Penn State to the U.S. Women's Lacrosse Association National Championship in 1979 and 1980. The leading scorer and an All-America selection four consecutive seasons, Finn also was a standout in field hockey. She currently coaches at the Berkshire School in Sheffield, Mass.

Another NCAA title for fencing team

The Penn State fencing team has picked up its fourth straight national championship. On March 22, the Lions edged out Notre Dame and Stanford with a total of 149 victories to their 147 and 128 respectively. Penn State becomes the first school to win four straight NCAA fencing titles since Wayne State in 1982-85.

For the latest information on Penn State sports, visit Intercollegiate Athletics' official Web site at: <http://www.psu.edu> (Click on sports).



Filling an order

Gary M. Lucas, registered pharmacist at the University Health Services Pharmacy on the University Park campus, prepares a prescription order. Effective Jan. 1, the pharmacy began handling all prescriptions covered through the Maintenance Prescription Drug Plan (MPDP). More information is available on the Web at <http://www.ohr.psu.edu/benefits/ttc/drugs.htm>

Photo: Greg Grieco

Obituaries

Kenneth Bennett, professor of agricultural economics from 1949 until retiring in 1976, died Jan. 30 at age 86.

Evelyn M. Darr, nutrition adviser in The College of Agricultural Sciences, from March 1, 1971, until her retirement Dec. 1, 1990; died Jan. 25 at age 69.

Olive S. Holt, chief serials associate librarian in University Libraries, from Sept. 1, 1965, until her retirement July 1, 1977; died Feb. 20, at the age of 87.

Lillian J. Iovine, food service worker in Housing and Food Services, from

Sept. 5, 1979, until her retirement July 1, 1987; died Feb. 2. She was 70.

Edwin N. McGarvey, technical illustrator at the Applied Research Laboratory, from Jan. 1, 1966, until his retirement Oct. 8, 1994; died Jan. 30, at the age of 62.

Paul Osesky, maintenance worker, utility at Penn State New Kensington, from Oct. 5, 1969, until his retirement Sept. 1, 1986; died Jan. 23. He was 74.

Anna M. Sunday, food service worker in Housing and Food Services, from

April 3, 1964, until her retirement July 1, 1977; died Feb. 10, at the age of 86.

Ann C. Treese, instructor in physical education at Penn State Altoona, from Sept. 1, 1965, until her retirement June 30, 1981; died Jan. 9. She was 81.

Cecil P. Walk, auto mechanic in Office of Physical Plant, from Nov. 16, 1967, until his retirement April 21, 1984; died Feb. 15, at the age of 75.

Nellie B. Way, food preparer B in Housing and Food Services, from March 24, 1958, until her retirement May 10, 1972; died Feb. 9. She was 87.

PENNSSTATE INTERCOM

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Family pledges \$5 million to fund spiritual center

The Frank Pasquerilla family of Johnstown has made a \$5 million commitment to fund a new spiritual center on Penn State's University Park campus. The new center will be an addition to Eisenhower Chapel, which currently is used by about 30 student religious organizations and hosts more than 3,800 events annually. The chapel also houses the University's Center for Ethics and Religious Studies.



FRANK PASQUERILLA

Frank Pasquerilla is chairman and CEO of Crown American Realty Trust, a publicly traded real estate investment trust that specializes in regional shopping malls, including Nittany Mall in State College. He also is chairman of Crown American Hotels, a privately held hotel company that includes 25 hotel properties. Sylvia Pasquerilla is his wife. Frank's son, Mark, is president of Crown American Realty.

See "Spiritual center" on page 2

Penn State professor to teach from space

By BARBARA HALE
Public Information

John Glenn isn't the only astronaut whose extraterrestrial activities could end up enhancing the quality of life for older adults.

Penn State's Jim Pawelczyk, assistant professor of kinesiology and physiology, and his space-going colleagues scheduled to be aboard the Space Shuttle Columbia in April will conduct more than two dozen studies that hold promise for older adults and others.

Pawelczyk, who is the first Penn State faculty member chosen for shuttle duty, will be con-

See "Space" on page 3

Movies prove excellent choice for studying organizational behavior



Taking a closer look

MBA students in Dennis Gioia's "Managing People in Organizations" class view clips from the movie "Dead Poets Society" as an aid in their study of change and organizational behavior. Gioia says the popular movie is an excellent study of empowerment in bureaucratic organizations.

Photo: Greg Grieco

By CHARLES DUBOIS
The Smell College

In an MBA classroom, a movie like "Wall Street" would seem the popular choice, but a Penn State professor avoided the obvious and chose "Dead Poets Society" to really burrow into issues of management.

At first glimpse, the film "Dead Poets Society" is about a renegade English teacher, played by Robin Williams, who stirs up a stuffy prep school by stimulating his students with ideals of individualism and creativity. Although Williams succeeds in motivating his students, his victory is short-lived and his actions ultimately end in failure — subject matter perfectly suited for a class in film, sociology or education.

But, in the view of Dennis Gioia, professor of organizational behavior, there's more to it.

"Dead Poets Society" is an excellent study of empowerment and the limits and consequences of empowerment in bureaucratic organizations," said Gioia, a faculty member in The Smell College of Business Administration. "It's a study of the difficulty of affecting change in an organizational culture as well as a study of leadership and motivation."

While watching the movie with his faculty recently, he realized that it explored many of

See "Movie" on page 3

Inside



The culture of schools

One Penn State associate professor says new teachers would be well-served to uncover the organizational culture of a school where they plan to teach before taking the job. See page 17 for more.



Time change

This weekend we'll all lose some sleep when we change our clocks to one hour ahead at 2 a.m. Sunday, April 5 — the beginning of daylight-saving time. Don't forget!

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How many zeroes?!

Students at Penn State Erie and the lion mascot from that campus help spell out an anonymous gift's dollar amount for the people who attended a March 25 press conference. During the event, it was revealed that Penn State Erie's School of Business would benefit from a \$20 million donation.

Photo: Courtesy of Penn State Erie

Spiritual center

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Trust, and daughter, Leah, is special assistant to the chairman and CEO at Crown American Realty Trust.

Penn State President Graham B. Spanier noted that the existing facilities at Eisenhower Chapel are inadequate to the University's goal of providing a well rounded educational experience for students.

"The most fundamental challenge facing colleges and universities today is developing conscience, character, citizenship and social responsibility in their students," Spanier said. "Our chapel and related programs form a central part of our attempt to meet this challenge. The men and women who work in the interfaith activities that take place there help to put a 'human face' on the University—they are an essential part of students' co-curricular activities."

"But these facilities can no longer meet the growing demands placed on them. We are deeply grateful to the Pasquerella family for their extraordinary generosity, and for the tremendous commitment they have made in helping us to make a strong moral character and a sense of values an integral part of a Penn State education."

Eisenhower Chapel was built in 1956 using private funds, and was named for Helen Eakin Eisenhower, the wife of Milton Eisenhower, who served as president of the University from 1950 to 1956. The structure was expanded in 1976, again without state appropriations.

The timetable for construction will be established following additional fund raising for the facility, which will be supported solely by private funds,

according to Spanier. Additional fundraising activities for the estimated \$9 million project are planned as part of the University's forthcoming capital campaign.

"With 15 Crown American malls and 11 Crown hotels across the state of Pennsylvania, we have a property in nearly every one of the 24 communities where Penn State has a presence," said Frank Pasquerella. "Crown American is the largest operator of retail space in the state. With 90,000 Penn state students and thousands of alumni across Pennsylvania, it is fitting that we partner with the University on this project. We have a desire to give back to these communities and to extend our partnership with Penn State."

Mark Pasquerella added, "We were especially impressed by the interfaith leadership that is involved in the spiritual center project. We have had excellent discussions with representatives from the University, and we're excited by the truly diverse nature of the student groups that will benefit."

"In addition, we were extremely pleased by the recent commitment by Joe and Sue Paterno to this project. The Paternos continue to be excellent 'sales representatives' for the University. We hope that others will be inspired as well."

Penn State Head Football Coach Joe Paterno and his wife, Sue, recently designated a \$1 million gift to the spiritual center as part of their \$3.5 million overall gift to the University.

Among the ministries sponsored by their respective faith groups are Catholic, Hillel (Jewish), Episcopal, Lutheran and the United Ministries

representing the Religious Society of Friends (Quaker), American Baptist, United Methodist, Disciples of Christ, Presbyterian Church (USA), and Church of the Brethren.

Frank Pasquerella joined Crown—then known as Crown Construction—less than one year after it was founded in 1950. He became president in 1956 and sole owner in 1961. In 1993, Crown American split into two entities, Crown American Realty Trust and Crown American Hotels, when the shopping mall portion of the company became a publicly held real estate investment trust. Currently, there are 26 regional shopping malls in Pennsylvania, New Jersey, Maryland, West Virginia, Virginia, Tennessee and Georgia.

Frank Pasquerella is also a trustee emeritus of the University of Notre Dame and has received honorary doctorate degrees from Notre Dame, St. Francis College (Loretto, Pa.) and Mount Saint Mary's College (Emmitsburg, Md.). He is chairman of the diocesan financial committee for the Altoona-Johnstown Roman Catholic Diocese, general chairman of the Partnership for Education for the Diocese and a member of the board of trustees for the foundation for the diocese. State College is part of the Altoona-Johnstown diocese.

Mark Pasquerella joined Crown American in 1981 and was named president in 1990. He is a graduate of the University of Notre Dame and completed a master of science degree in international relations at the London School of Economics. As a Fulbright-Hays scholar under the auspices of the European Research Institute, Mark studied international affairs at the University of Cologne. He is a member of the board of directors of USBANCORP, Johnstown.

Promotions

Staff

Pamela H. Aikey, staff assistant VII in College of Arts and Architecture.

Diane L. Andrews, senior associate director, residence life in Student Affairs.

Christine A. Arbutina, client development manager in Continuing and Distance Education.

Wilma J. Augst, library assistant II, APC team in University Libraries.

Lisa A. Baker, staff assistant VII in Applied Research Laboratory.

Kathy W. Barry, staff assistant VII in Office of Vice President for Research.

Brian J. Beighley, financial aid coordinator at Penn State New Kensington.

Mark R. Boltz, manager, network and information systems in The Smel College of Business Administration.

Chris A. Brown, lead applications programmer/analyst in Office of Vice Provost and Dean for Undergraduate Education.

Carol A. Buddock, staff assistant VI at Penn State Berks-Lehigh Valley.

Thomas S. Cherry, cinematographer/videographer III in College of Agricultural Sciences.

Anita F. Colyer, program manager in Continuing and Distance Education.

Mary K. Cote, associate director, continuing outreach operations in Continuing and Distance Education.

Susan DeCarmin, staff assistant VI in Continuing and Distance Education.

David A. Dix, engineering aide in Applied Research Laboratory.

Catherine S. Dufour, associate director in Student Affairs.

Connie M. Emberton, staff assistant VII in Applied Research Laboratory.

Mark D. Erstling, director, educational communications/general manager, Penn State broadcasting in Continuing and Distance Education.

Technical Service

Martin P. Sheddlock, maintenance worker-general in Housing and Food Services.

Gregory L. Sloop, preventive maintenance worker in The Dickinson School of Law.

Cindy M. Snyder, mobile food preparer in Housing and Food Services.

Thomas L. Waltz, maintenance worker-utility in Office of Physical Plant.

James T. Wilkins, storeroom delivery assistant in Housing and Food Services.

David W. Williams, dining hall worker A in Housing and Food Services.

Lawrence J. Zimmerman, maintenance worker-utility in Office of Physical Plant.

Space

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ducting some of the space-based experiments on himself. But his youth won't mean the results are only applicable to young people.

"Many of the changes we see in space flight are similar to those associated with the aging process," Pawelczyk said. "These include a loss of blood volume and less precise control of the cardiovascular system, changes in the vestibular system which controls balance and, on longer flights, loss of muscle mass and bone mineral. Mechanisms responsible for these adaptations may help us to identify the causes of similar problems often seen in the elderly."

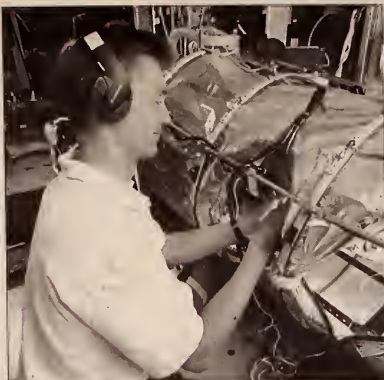
As a payload specialist, Pawelczyk's chief duty aboard the 17-day Neurolab mission is to serve as both operator and subject for the 26 studies scheduled for the mission. The studies were proposed by teams of scientists from Japan, France, Germany, Italy and Canada, as well as the U.S. Pawelczyk and the other crew members will carry out these experiments for them.

The experiments are designed to determine how the brain and nervous system adapt to the stresses of life in space. In a recent visit to campus, Pawelczyk described one experiment that will be duplicated on Earth by elementary school children who follow the in-school WPX-TV program, "What's In The News." The experiment involves catching a ball.

Pawelczyk explained that when we catch a ball on Earth, we are drawing on our understanding of how objects accelerate in gravity. Based on this understanding, we can successfully anticipate where the ball will be and catch it.

"In space flight," Pawelczyk said, "the ball isn't going to accelerate. It's going to be at a constant velocity. So, we're going to have to relearn that simple motor task to successfully catch the ball. This same learning process applies very much to people who have to relearn motor tasks as the result of stroke."

Another area Pawelczyk will focus on during the shuttle mission will be four experiments on blood pressure regulation and orthostatic intolerance, an inability to maintain consciousness that results from



Practice makes perfect

During training, Jim Pawelczyk, payload specialist, practices procedures to be used in micro-neurography, a technique used on the Neurolab mission for measuring nerve signals traveling from the brain to blood vessels.

Photo: Courtesy NASA Neurolab Web site

an inadequate blood supply to the brain. A specialist in autonomic neurophysiology, Pawelczyk is one of a team of co-investigators with Dr. C. Gunnar Blomquist, University of Texas, Southwestern Medical Center, on this study.

Researchers estimate that over a half million, mostly older, Americans suffer from disorders involving orthostatic intolerance. But young people can be affected as well.

"It happens after space flight in about two-thirds of astronaut personnel and it then resolves itself," he said. "But during that period of time, we have a window where, basically, we have a relatively young healthy person looking like a much older

person in terms of orthostatic tolerance."

The orthostatic intolerance experiments on board the shuttle will investigate the autonomic nervous system, which controls blood pressure moment-to-moment. Pawelczyk will measure blood pressure, blood flow to the brain and other cardiovascular parameters. In addition, he will place a thin electrode, the size of an acupuncture needle, in a nerve just below the knee of three of the crew members to record the signals going from the brain to the blood vessels. These signals cause blood vessels to constrict which increases blood pressure, just as stepping on a garden hose increases water pressure, said Pawelczyk. Jay Buckley, the other payload specialist on board the Neurolab mission, will perform the procedure on Pawelczyk.

During a visit to the University Park campus in January, Pawelczyk was asked whether his experience aboard the shuttle will be useful in his teaching when he returns to campus after the mission. Pawelczyk said, "I don't see any way around it."

In fact, while he's still aboard the shuttle, Pawelczyk and Peter Farrell, professor of physiology, will discuss the experiments with Penn State students in a live question-and-answer, distance education experience set for April 26. Students at three other universities also will talk to the other payload crew members during the mission.

"Space flight is a good way to excite students about science and research," Pawelczyk said. "It is still a new frontier."

Pawelczyk is scheduled to leap that frontier's boundaries on April 16 at 2:19 p.m. The first Penn State faculty member to do so, he promises to return a full measure of teaching, research and service as did the original land-grant university pioneers.

Movie

continued from page 1

the issues he covered in the Smeal MBA core course "Managing People in Organizations." The film soon became the latest in a line of movies, including the classic "Twelve Angry Men" and "Fat Man and Little Boy," integrated into the course as illustrations of business principles.

Gioia's students were made to work their way to discovery. The MBAs were divided into teams of five to six each and asked to do an analysis of "Dead Poets." Their findings had to be in the form of 20-minute presentations before panels empowered to judge and interrupt. Fifteen minutes of questions followed — questions that could cover any aspect of the movie, the course or current managerial practice.

"They had a great experience," said Gioia. "It was a more engaging assignment than yet another written case analysis or a boring exam."

Gioia was gratified to see how many themes they uncovered — culture, leadership, power, motivation and politics.

"Most watched the movie four times," he said. "After the second time, they realized that the story line is a veneer. There are many interpretations and possible answers, and that's just the way it is in management. You have to decide which one works."

Ross Fasco, a Virginia Tech undergraduate who worked as a senior consultant with Ernst & Young, came away from "Dead Poets" with this conclusion: "You can't implement change in an organization without considering a broader culture. If you're going to implement change, do it with people, not to people."

MBA student Volker Kohl has his own interpretation — that innovation and synergy are the key to an organization's success.

Obituaries

Robert D. Pashek, who played key roles developing The Smeal College of Business Administration's logistics and international programs, died in Seattle. He was 77.

Pashek served as Smeal senior associate dean from 1973 to 1988, and chair of the college's Department of Business Logistics from 1964 to 1972. Before retiring from the University in January 1989, he was director of The Smeal College's international programs.

A former member of the Wichita State University faculty, he joined Penn State in 1955 and was instrumental in founding the logistics department here. In addition, Pashek was involved in the development of the Pennsylvania Transportation Institute and served as its acting director. Pashek was honored as National Transportation Man of the Year and served as president of the American Society of Transportation and Logistics.

Pashek earned his bachelor's degree from Central Washington College, his master's degree from the University of Iowa, and his doctorate from the University of Illinois.

Memorial contributions may be made to the Robert D. Pashek Scholarship Fund, Office of University Development, The Pennsylvania State University, 102 Old Main, University Park, Pa. 16802.

Richard W. Anthony, maintenance worker at Penn State Mont Alto, from Aug. 1, 1971, until his retirement Aug. 2, 1983; died March 4, at the age of 80.

Jeanne L. Barnett, food preparer at Penn State Mont Alto, from Sept. 26, 1966, until her retirement May 11, 1985; died Feb. 28. She was 72.

Kenneth R. Bennett, professor of agricultural economics in the College of Agricultural Sciences, from Nov. 16, 1949, until his retirement July 1, 1976; died Jan. 30, at the age of 86.

George N. Emerick, mechanical, experimental and maintenance in the College of Agricultural Sciences, from Sept. 16, 1965, until his retirement Feb. 1, 1982; died Feb. 26. He was 77.



New Zealand ambassador to give seminar on April 8

John Wood, New Zealand ambassador to the United States, will hold a public seminar on "New Zealand's Influence on the United States: General Propositions and Personal Experiences" at 3:45 p.m. Wednesday, April 8, in the Eisenhower Chapel Memorial Lounge on the University Park campus.

Wood, one of New Zealand's most senior and experienced diplomats, is completing his tour of duty as New Zealand's ambassador to Washington, where he earlier (1984-87) served as



JOHN WOOD

deputy chief of mission. His other overseas postings have included Tokyo, Bonn and Tehran, as ambassador to Iran. Before his current post, he was a deputy secretary at the Ministry of External Relations and Trade. He is a graduate of the University of Canterbury and of Oxford University.

The seminar is sponsored by the Australia-New Zealand Studies Center. For more information, e-mail Patricia Corbett at pac9@psu.edu or call (814) 863-1603.

CEO to deliver 1998 Shoemaker ethics talk

Gene A. Keluche, founder, chairman and chief executive officer of International Conference Resorts, will deliver the 1998 G. Albert Shoemaker Lecture in Business Ethics at 5:30 p.m. Tuesday, April 7, in The Nittany Lion Inn on the University Park campus.

Titled "The Ethics of Ownership Versus Stewardship," Keluche's talk is the 10th in a series made possible in 1986 through the generosity of G. Albert Shoemaker, the late coal industry executive, and his wife, Mercedes.

International Conference Resorts manages the Cheyenne Mountain Conference Resort and Country Club of Colorado, Colorado Springs; the Scottsdale Conference Resort, Scottsdale, Ariz.; and the Graylyn International Conference Center at Wake Forest University. Keluche has directed the design, development and operation of numerous conference and training centers in New York, Connecticut, Illinois, South Carolina, Texas and Virginia.

Before founding International Conference Resorts, Keluche was the execu-

utive vice president and a director of Basic Systems Inc. which specialized in applying the principles of behavioral science to the development of self-instructional educational materials and training systems. Following the firm's acquisition by Xerox Corp., Keluche was manager of Xerox Education Division's industrial and governmental operations. He also has been vice chairman of Agrigenetics Corp., a genetic research firm that was later acquired by the Lubrizol Corp.

In addition to his duties with International Conference Resorts, Keluche serves as vice chairman of the University Corporation for Atmospheric Research Foundation, is a trustee of the California School of Professional Psychology, and is co-chairman of the International Founders Council of the Smithsonian's National Museum of the American Indian.

Keluche holds an MBA from the Harvard Business School and a B.S. in applied engineering science from California State University.

Affirmative action debate set for April 13 at Beaver

Lecturers Betsy Hart and Kevin Powell will square off in an affirmative action debate set for 7:30 p.m. Monday, April 13, in the Study Learning Center auditorium at Penn State Beaver. The program is free to the public.

This debate will replace the postponed debate between Hart and Lawrence Otis Graham previously scheduled for February.

Hart is a white conservative woman who worked in the Reagan White House. She is co-author of a book, *He Says, She Says — Black & White*, with Graham. Powell, a black liberal, is a senior writer at *Vibe* magazine and the host and producer of HBO's "Vibe Five," an entertainment news program.

For more information, call (724) 737-3953.

Hands-on GIS demonstration planned April 3

Preetha R. Pulusani, vice president of government solutions at Intergraph Corp., will be featured at a hands-on demonstration of Geographic Information Systems (GIS) and softcopy photogrammetry products from noon to 4 p.m. Friday, April 3, in 101 Kern Building on the University Park campus. Pulusani has been a leader in the systems development of government geographic information technologies for more than 17 years and has broad experience, including GIS software analyst, system developer, and mapping and GIS products line manager. All faculty, staff and classes may attend. For more information about the session, call Todd Bacastow at (814) 863-0009 or e-mail bacastow@gis.psu.edu.

Holocaust survivor to speak at Hazleton April 5

Holocaust survivor and nationally-known art historian Nelly S. Toll will give a talk at 7:30 p.m. Sunday, April 5, in room 115 of the Graham Academic Building at Penn State Hazleton. The public may attend this free event.

Toll came to the United States in 1951 after surviving World War II in Nazi-occupied Poland, during which time she and her mother were hidden in a small bedroom in the home of a non-Jewish couple for more than a year. To pass the time, Toll painted watercolors depicting a happy fantasy world of children, family and nature scenes, which were in stark contrast to the reality of the terror-filled world she actually experienced. The paintings form the basis of her enduring interest in art and are a central theme of her lecture.

An instructor in humanities at Rowan University, N.J., Toll received a baccalaureate degree in art therapy from Hahnemann University, a master's degree in art and art history from Rutgers University, and is currently pursuing a doctorate at the University of Pennsylvania. She is the author of a number of books, including *Without Surrender: Art of the Holocaust and Behind the Secret Window*, a memoir of her childhood. Her most recent publication, *When Memory Speaks: The Holocaust in Art*, has received outstanding reviews. Her paintings are displayed in the museum of Yad Vashem, Jerusalem and in the United States Holocaust Memorial Museum in Washington.

Learn how children perceived Nazi terror

A public lecture by Professor Barbara Bauer, chair for modern German literature, Phillips University in Marburg, Germany, will give a presentation on "Helpless Heroes in a Hostile World: How Children Perceived the Nazi Terror," at 4 p.m. Tuesday, April 7, in 101 Kern Building on the University Park campus. Bauer recently organized a symposium that dealt with autobiographies of Holocaust survivors. Her lecture will focus on the problems children have with the integration of their experiences of absolute evil that people can inflict on others. The talk is sponsored by the Department of Germanic and Slavic Languages and Literatures.

Civil rights activist to speak on affirmative action

Civil rights activist and Proposition 209-campaign chairman Ward Connerly will speak at 8 p.m. Wednesday, April 8, in Schwab Auditorium on the University Park campus. Doors open at 7:30 p.m. Connerly will address one of the most controversial issues today — affirmative action.

Connerly served as chairman of the California Civil Rights Initiative (Proposition 209) campaign, which ultimately ended affirmative action policies in the state of California. Connerly has gained national respect as an outspoken advocate of equal opportunity for everyone, regardless of race or sex. Connerly's views on preferences, set-asides and quotas have been well-documented by the international, national and California press. Connerly currently serves as chair of the American Civil Rights Institute.

For more information, call Christopher Gillott, vice chairman, Penn State Young Americans for Freedom, at (814) 867-4039.

Network communications president to speak April 8

The College of Communications will celebrate Asian American Heritage Month with guest speaker Susan C. Yee, president of Regional Network Communications Inc. (RNCI), on Wednesday, April 8. Yee, who founded RNCI in 1995, will present a lecture titled "Succeeding In Corporate America and the Internet Industry: An Asian American Perspective," at 5 p.m. in the Carnegie Cinema on the University Park campus. The event, which is free to the public, will be immediately followed by entertainment and a buffet of Asian food.

Yee graduated from Lehigh University in 1982 with a B.S. in finance and marketing and a minor in international relations. She began her career in the marketing department of Twin County Cable, and was later promoted to vice president of marketing for the company. In 1993, she was named chief operating officer, and helped lead the Pennsylvania Cable Television Association in developing its regulatory and legislative strategies to address issues at the state and national levels. She was actively involved in introducing cable television programming into Asia in the early 1990s.

For more information about the Asian American Heritage Month Celebration, call Joseph Selden, director of Multicultural Affairs for the College of Communications, at (814) 863-6081.

More Lectures

Animal agriculture's future to be discussed

Harold D. Hafs, professor and chair of the Department of Animal Science at Rutgers University, will present a seminar titled "Biotechnology: The Future of Animal Agriculture" at 11 a.m. Wednesday, April 8, in 101 Agricultural Sciences and Industries Building on the University Park campus. The annual lecture is funded through an endowment established by Otto J. and Opal I. Hill. Hill received his master's degree in dairy science from Penn State in 1930.

Hafs obtained a B.S. degree from the University of Wisconsin in 1953 with a major in dairy science and minors in zoology, mathematics and botany. He earned his M.S. degree (1957) and Ph.D. degree (1959) in animal physiology from Cornell University, where he was a National Science Foundation predoctoral fellow.

In 1980, Hafs was appointed vice president for animal science research and development at Merck Sharp & Dohme Research Laboratories, Rahway, N.J. In this capacity, he led a team of nearly 300 people in discovery

research, developmental research and regulatory affairs. Under his leadership 14 new products were approved, propelling Merck AgVet to the position of the world's largest animal pharmaceutical company. In 1990, he was named vice president for animal health and agricultural scientific affairs at Merck. Hafs retired from Merck in 1993, but stayed on as a consultant for a year. In 1994, he joined the faculty of Rutgers University as a visiting professor in the Department of Animal Science, and has served as professor and chair of that department since July 1995.

In the past, Hafs has held offices in a variety of national organizations. He was active in academic governance at Michigan State University, where he served as an assistant professor and was promoted to associate professor and then to professor, and was chairman of the Department of Dairy Science from 1976 to 1980.

In addition, Hafs has received many awards from scientific societies and professional honoraries.

Agriculture undersecretary to talk about trade issues

August Schumacher Jr., undersecretary of the U.S. Department of Agriculture, will present the 1998 M.E. John Lecture, sponsored by the Department of Agricultural Economics and Rural Sociology. Schumacher will discuss agricultural trade issues as they relate to growth opportunities for U.S. farm products and the problems we face as a result of the meltdown of the economies of Southeast Asia. The lecture is set for 11 a.m. Monday, April 13, in Ballroom D-E of The Nittany Lion Inn.

Schumacher, after being nominated by President Clinton and confirmed by the U.S. Senate, has been undersecretary since August 1997. In this position, he oversees the Farm Service Agency, the Foreign Agricultural Service and the Risk Management Agency. These agencies administer farm com-

modity programs, farm operating and emergency loans, conservation and environmental programs as well as market development and domestic and international food assistance.

Before his appointment, Schumacher served as administrator of USDA's Foreign Agriculture Service. He also worked for the World Bank and served as Commissioner of Agriculture for the Commonwealth of Massachusetts.

The M.E. John Lecture Series was established in the early 1980s in honor of M.E. John, faculty member and head of the Department of Agricultural Economics and Rural Sociology from 1946 to 1969. Its purpose is to focus on current social and economic issues of importance to faculty and students. The lecture is open to the University community.

Sustainability lectures planned for April 14-15

The Center for Sustainability at Penn State is offering two lectures on the University Park campus that deal with the concept of permaculture, the design of cultivated garden plots that undergo natural resource cycling. Permaculture design allows these garden plots to have the diversity, stability and resilience of a natural ecosystem. The lectures follow:

■ Tuesday, April 14, at 4 p.m. —

Daniel Frey, owner of Three Sisters Permaculture Design, will discuss "Ecology Design and Sustainability" in 351 Willard Building.

■ Wednesday, April 15, at 4 p.m. — Registered architect and permaculture designer **Monica Kuhn** will present "Rooftop Gardens" in 165 Willard Building.

For more information, contact Barbara Siebert at (814) 865-2223.

Distinguished Statisticians Lecture set for April 16

John Kettenring, executive director of software technology at Bellcore, will deliver the 1998 Distinguished Statisticians Lecture at Penn State Harrisburg. The lecture, titled "Statistics in Industry: Experiences and Examples," will be April 16 at 1 p.m. in the Capital Union Building.

Bellcore, with headquarters in New Jersey, creates innovative business solutions that make information technology work for telecommunications carriers, businesses and governments throughout the world. Kettenring explains that "statistics has played a substantial role in industry for much of the 20th century ... this is especially true in the telecommunications sector."

The heart of Kettenring's talk will consist of a series of examples of work at Bellcore in areas such as information retrieval, network traffic analysis, data reconciliation and software engineering, that illustrate the types of opportunities ahead for statistics in industry.

Kettenring holds bachelor's and master's degrees in statistics from Stanford University and a Ph.D. in statistics from the University of North Carolina.

Satellite videoconference on nutrition planned April 16

The 1998 Current Issues in Nutrition Satellite Videoconference "Nutritional Supplements," originating from Iowa State University, will be downlinked to the University Park campus and six Cooperative Extension locations across the state. The satellite videoconference is scheduled from 11 a.m. to 4:55 p.m. Thursday, April 16, in the Agricultural Administration Building at University Park.

Participants will learn how the Dietary Supplements Health Education Act regulates the nutritional supplements industry and how this might impact the consumer. The conference will provide an opportunity to learn if, how and why nutritional supplements may enhance exercise, prevent disease and promote health. Continuing education units are available for nurses, nursing home administrators, registered dietitians, dietetic technicians, dietary managers and certified home economists.

For more information about the satellite videoconference and other downlink locations, contact **J. Lynne Brown** at (814) 863-6132 or by e-mail at ljb@psu.edu. Anyone interested in registering for the University Park satellite downlink videoconference should contact **Peggy Hoover** at (814) 863-2212.

Health conference focuses on concerns for black women

African American women will have an opportunity to learn more about health issues facing them, prevention strategies and ways to improve their health and the health of their communities during the Second Health Empowerment and Black Women Conference planned for April 18 at The Penn State Conference Center Hotel on the University Park campus.

The conference will provide a forum to discuss health care issues specific to black women. Topics to be covered include depression, sexually transmitted diseases, arthritis and mid-life women, for the single woman, stress management, massage therapy and a special keynote address. The conference will offer a wellness marketplace that includes free health screenings, exhibits, poster and book displays.

The conference is designed to be informal, and dress will be casual.

For more information, call **Dee Frisque** at (814) 865-7679 or visit the Web at <http://www.cde.psu.edu/C&I/Health/Empowerment>.

Explore connections of literacy and consumerism

Louise L. Stevenson, professor of history and American studies at Franklin and Marshall College, will discuss "Women and Reading in 19th-Century America" in the Penn State Harrisburg Gallery Lounge at 7 p.m. Monday, April 20.

A member of the F&M faculty since 1982 and currently chair of its women's studies program, Stevenson will explore the connections of growing literacy and consumerism among women in the 19th century. She will examine the ways home and reading were viewed for American women.

Her teaching and research interests center on 19th-century cultural and intellectual history, including women's history. Recent research by Stevenson includes the soon-to-be-released *The Home, Books and Reading in an Age of Commerce*, published by Cambridge University Press. Stevenson earned her doctorate in American and New England studies from Boston University, her master's in history from New York University and her bachelor's in American studies from Barnard College.

"Secrets of the Rainforest"

Penn State Berks will present world-renowned photographer **Gerry Ellis**'s lecture, "Secrets of the Rainforest," at 1 p.m. Monday, April 20, in the Perkins Student Center Theatre.

Few environmental issues have dominated world headlines as have discoveries within and destruction of the Earth's rainforests. Working with such respected organizations as the Rainforest Alliance and the World Wildlife Fund, Ellis has spent years documenting the secrets of life within the tropical rainforests.

Admission is free. For more information, call **Doreen Fisher** at (610) 396-6067.

Faculty/Staff Alerts

Call-in show to explore space

Penn State's first faculty member to fly aboard the shuttle will join President Graham B. Spanier to discuss the future of space exploration on the next edition of "To the Best of My Knowledge," airing Monday, April 6, at 7 p.m. on public radio station WPSU-FM (90.1, 91.5 and 106.7).

According to NASA, the research of James Pawelczyk, assistant professor at Penn State, and others into the physiological response to weightlessness is crucial if people are ever to venture to distant worlds. Pawelczyk, one of two primary payload specialists on the upcoming shuttle mission, will also discuss how the results of this research may prove useful to those who are earthbound. The 12-day mission aboard the Space Shuttle Columbia is currently scheduled for lift-off on April 16.

Listeners with questions or comments about America's future in space can call (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures at <http://www.psu.edu/ur/tech/tech.html>; and will be able to contact the president during the program via e-mail sent to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of local and national concern and to allow listeners a chance to communicate directly with Penn State's president.

Deadline approaching

April 6 is the deadline for registering for the Commission for Women's program for Take Our Daughters to Work Day, which will be held April 23. Brochures were mailed to all University Park employees last week.

This program is geared to girls in grades six to 12 and provides an opportunity for the girls to visit various career sites on campus. Cost is \$10 per girl (no cost for parent or mentor). Please note that availability cannot be guaranteed for late registrations (received after April 6). Girls and mentors must be preregistered to participate; there will be no registration the day of the event. Registrations can be returned through interoffice mail to "Take Our Daughters to Work Day."

Penn Staters

Dinesh Agrawal, director of the Microwave Processing and Engineering Center at the Materials Research Laboratory, presented invited talks on "Microwave Research at MRL-PSU" in Japan; the University of Queensland and the Australian Nuclear Science and Technology Organization; and the University of Valencia (Spain).

Iam-Choon Khoo, professor of electrical engineering, presented an invited plenary paper titled "Extremely sensitive photorefractive liquid crystals for dynamic holography and optical storage applica-

225 The Penn Stater Conference Center Hotel.

For more information, call Debbie Meder at (814) 865-1821 or e-mail dmm4@psu.edu.

Road closed this summer

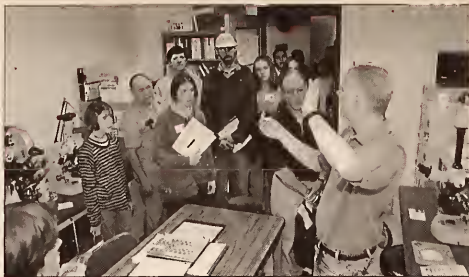
Bigger Road on the University Park campus between the Hastings/McKean intersection and a point just south of the north McKean Road entrance to Nittany Apartments will be closed this summer. The project is supposed to begin on Monday, May 18, and will be completed by Aug. 1. Only scheduled delivery vehicles will be allowed access to this closed section of roadway.

Paid volunteers needed

The Food Lab needs overweight and normal-weight women to participate in a 10-week study this summer. During the first week, participants will eat lunch in the lab on two weekdays. During the remaining nine weeks, participants eat breakfast, lunch and dinner in the lab one day a week (Monday, Tuesday, Wednesday or Thursday) by appointment. Before lunch, during five of these weeks, a registered nurse will place a feeding tube gently through one nostril leading to a participant's stomach. The tube will be in place for 15 minutes. Liquid may or may not pass through the tube. Participants will be paid \$500 for completing the study. If interested please call Shelly at (814) 863-3482. The principal investigator on this study is Barbara Rolls, Helen A. Guthrie chair and professor of nutrition, biobehavioral health and behavioral science.

Reminder about employment of minors

Supervisors are reminded that the Pennsylvania Child Labor Law requires that an employment certificate (sometimes referred to as "working papers") be obtained before any minor begins working for the University. A minor is anyone under age 18 who has not graduated from high school, or who has not been declared by the high school as having attained maximum academic potential in lieu of graduation. Also, the minimum age for University employment is 16.



Open house

The Eberly College of Science will hold its annual open house for prospective students and their parents from 9 a.m. to 3 p.m. Saturday, April 4, on the University Park campus. Visitors will have an opportunity to tour science laboratories and speak with professors, science majors, advisers and the associate dean about undergraduate academic programs and research opportunities. Tours include laboratories in the departments of astronomy and astrophysics; biochemistry and molecular biology; biology; chemistry; mathematics; physics; and statistics. Tours and other activities are coordinated in 133 Wiley Building. For more information, call (814) 863-4682.

The employment certificate is issued by the minor's high school. Employment certificates are maintained on file by the Employment and Compensation Division, or appropriate business or human resources offices at facilities away from University Park. When a minor ceases employment, the Employment and Compensation Division, or appropriate office, must be notified so that the certificate can be returned to the issuing high school or to the minor.

Supervisors are asked to review University Policy HR-2, "Employment of Minor," before committing to employ a minor.

Moving? Tell the University

With everything involved in moving, employees often forget to notify their employers. Faculty and staff are reminded to include Penn State on the list to be notified of a change of address and telephone number, whether it's a home or their campus address. During the course of a year, the University mails important benefits and payroll information to employees' home addresses and to their campus addresses.

A significant number of such pieces of mail are returned as undeliverable. Each piece must then be rechecked for a correct address and

mailed again; resulting in delays of what is frequently time-sensitive information.

There is another significant issue involved with incorrect home addresses. State and local income taxes are withheld on the basis of the home address. If an individual moves from one municipality to another, taxes may be withheld at an incorrect percentage and/or may not be remitted to the proper taxing authority. The employee is responsible for resolving the discrepancy between the two municipalities.

To change your home address with the University, you must complete a new W-4 form in its entirety, available from your Human Resources representative, campus business office or by contacting the Payroll Office at (814) 865-7621. Your Human Resources representative or campus business office also should be informed about changes in campus mailing address. New W-4s should be submitted to payroll as soon as possible after the change of address, but no later than the 15th day of the month to assure proper municipal tax withholding and reporting for that month's pay. Faculty and staff who are leaving University service and moving to another location are reminded to file the new address with payroll so that your W-2 can be mailed at the end of the year.

tions" at the International Symposium on Image Processing Molecular Systems at Tsukuba Research Center, Japan.

Fred Schied, assistant professor of adult education, received an award from the Cyril O. Houle Scholarship Program for Scholars in Adult and Continuing Education. The awards fund research and support professional development activities for scholars who have made ongoing contributions to the field of adult education. He will receive \$40,000 from the Kellogg Foundation over a two-year period and

will use the funds to examine how management systems shape workplace education.

Lynne Vernon Peagans, professor of human development and associate dean of research in the College of Health and Human Development, presented a guest lecture, "The Perils of School: Cultural Clashes in Communities and Classrooms" at Vanderbilt University. The lecture was presented as part of the Maycie K. Southall Distinguished Lecture Series on Public Education and the Futures of Children.

ASIAN AMERICAN AWARENESS MONTH

The Asian American Student Coalition will be host for the second annual Asian American Awareness Month, a celebration of events on the theme "Many Voices, One Song" during the month of April on the University Park campus.

The highlight of the month will be the seventh annual presentation of Asian Awakenings. The cultural extravaganza, featuring traditional and modern pieces of Asian and Asian American culture, will be held at 8 p.m. Friday, April 17, at Recreation Building on the University Park campus. Admission is free.

Most other events also are free to the public, except where an admission charge is indicated. The tentative schedule is:

■ April 1 — "No Dogs and Chinese Allowed: Stereotyping the Asian American Community," 7 p.m., presented by Terrell Jones, associate vice provost for educational equity, and Sam Richards, faculty member in sociology, Pollock Halls Piano Lounge.

■ April 2 — AASC general meeting, 7 p.m., 117 Henderson Building; Distinguished Speaker Series — Ross Munro, co-author of *The Coming Conflict with China*, 8 p.m., Eisenhower Auditorium.

■ April 3 — Pot luck social and film starting 5:30 p.m., Pollock Hall Rec Room; Indian Student Association semi-formal, admission charge, Nittany Lion Inn.

■ April 4 — "Hopes and an Orange Duck," 6:30 p.m., 119 Theatre Arts Building; Korean Cultural Night, 7 p.m., Paul Robeson Cultural Center, admission charge.

■ April 6 — Interracial dating workshop, 7 p.m., West Halls Cultural Lounge.

■ April 7 — Uniting Minority Greeks, 7 p.m., HUB Reading Room.

■ April 8 — Susan Yee, vice president of Regional Network Communications Inc., 5 p.m., Carnegie Cinema.

■ April 9 — "The Leader Within: Cultivating Your Leadership Potentials," presented by Geisice Ly, 7 p.m., 213 Buckhout Building.

■ April 10 — Taiwanese Night Market, 6:30 to 9:30 p.m., Pollock Halls Rec Room.

■ April 13 — Debate on "Multiculturalism: Bringing Us Together or Tearing Us Apart?" 8 p.m., HUB Assembly Room.

■ April 14 — "Exploring Asian Theater" by Richard Nichols, professor of theatre arts, 6:30 p.m., Pavilion Theatre.

■ April 15 — "Asian American Panethnicity at Penn State," 7 p.m., HUB.

■ April 16 — "Exploring Identities: Growing Up Asian in America," presented by Geisice Ly, 7 p.m., 213 Buckhout Building.

■ April 17 — Seventh Annual Asian Awakenings, a major celebration of culture with several Asian American student organizations, free to public, 8 p.m., Recreation Building.

■ April 18 — Asian Pacific American Alumni Interest Group career panel discussion, 3 to 5 p.m., 305 HUB; Mr./Ms. Asian Penn State Fashion Show, 8 p.m., HUB Assembly Room.

■ April 20 — "When It Really Hurts," workshop about abusive relationships, 7 p.m., Pollock Hall Piano Lounge.

■ April 21 — "Oh No! Not Rice Again," presented by Asian American Acting Group, 7 p.m., place to be announced.

■ April 22 — Talk by Daphne Kwak, vice president of Organization for Chinese Americans, 7 p.m., Eisenhower Chapel Memorial Lounge.

■ April 27 — "Skin Deep: College Students Confronting Racism," film and discussion, presented by Tom Poole, assistant vice provost for educational equity, 7 p.m., 102 McAllister.

■ April 29 — "Stress Management," 7 p.m., Pollock Hall Cultural Lounge.

■ April 30 — "Confronting Homophobia in Minority Communities," 7 p.m., 251 Willard.

In addition, the School of Theatre Arts will present An Evening of Kyogen, featuring "Hikoichi's Tale," at 8 p.m. April 22-27 at the Pavilion Theatre. For tickets, call (814) 863-0255.

For more information, contact the Asian American Student Coalition office, 218 Hetzel Union Building, University Park, at (814) 865-0710 or check the Web at <http://www.personal.psu.edu/users/j/ja/jac219/asacwebpage.html> and follow the links to the calendar.

Other events

The following are the events planned at Penn State Delaware County to celebrate Asian American Awareness Month:

■ April 3, 12:30 p.m. — The Mountain Brothers, a three-man hip-hop group, bring unusual lyrics and rhyme styles, original beats and music, and a unique viewpoint to their music. Large Conference Room of the Commons Building.

■ April 7, 11:30 a.m. — "Taste of Asia" Food Festival in the Student Lounge in the Main Building.

■ April 17, 12:30 p.m. — Phoebe Eng, nationally known media developer, co-founding publisher of *A Magazine*, and author of *Warrior Lessons*, a book about women and empowerment, will present "One World, One Culture."

Courses

Upcoming HRDC courses

To register for these or other Human Resource Development Center programs on the University Park campus, complete the registration form found in the back of the Spring/Summer HRDC catalog, and fax to (814) 865-3522.

■ The Service Management Concept, CUS 002

Learn the 10 fundamentals essential to creating and maintaining service excellence to exceed customer expectations. May 6, 8:30-11:30 a.m., 319 Rider Building. Cost: \$44.

■ Conversational Spanish for Practical Situations I, COM 021

Spanish for use in common situations. May 11-29, noon to 1 p.m., 319 Rider Building. Cost: \$109. Bring your lunch. Note: This program meets for eight sessions. The May 20 and 22 sessions will be held in 520 Rider Building.

■ Did You Hear That? COM 041

Increase listening potential by developing effective skills through practice. May 11, 1:30-4 p.m., 319 Rider Building. Cost: \$44.

■ Proofamatics, PRO 007

Improve proofreading skills through the use of a series of scanning techniques rather than reading each word. May 11, 10 a.m. to noon, 319 Rider Building. Cost: \$159. This program meets for four sessions.

Health Matters

Health Matters

To register for the following program offerings on the University Park campus, see your *Health Matters* brochure or call Jan Hawbaker at (814) 865-3085 or jah3@psu.edu.

■ Yoga — WEL095

Yoga is a challenging and non-competitive discipline which promotes strength, flexibility, endurance and harmony.

Section 3: Introductory course. Meets 11 a.m. to noon Tuesdays, April 7 to May 19.

Section 4: Ongoing series. Meets noon to 1 p.m. Tuesdays, April 7 to May 19. Cost: \$35 per session. (Reimbursable to HealthAmerica HMO participants)

■ Personal Care Products — WEL141

Learn how hair sprays, soaps, deodorants and other items may be making you feel ill, while learning about acceptable substitutes for them. Meets noon to 1 p.m. Monday, April 6, in 102 Health and Human Development East. Cost: \$5.

ARTS & ENTERTAINMENT

AT PENN STATE



What dancing!

John Carey wowed the sold-out audience during an encore performance of "Lord Of The Dance," March 25 at The Bryce Jordan Center on the University Park campus. For a complete schedule of upcoming events, check the Web at <http://www.bjc.psu.edu>.

Photo: Greg Grifco

Odyssey Through Literature

On "Reporting Disaster," the next episode of Odyssey Through Literature, host Leonard Rubinstein and R. Thomas Berner, professor of journalism and American studies, discuss Berner's article "Disaster Reportage." Comparing reports on two major disasters — one by an American writer on the bombing of Hiroshima and one by a Chinese writer on the Great China Earthquake of July 28, 1976 — Berner examines the difference in attitudes toward a moral calamity and a natural calamity.

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature. It airs Sundays at 6:30 on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania.

Philharmonic concert

The Penn State Philharmonic, under the direction of music director Pu-Qi Jiang, professor of music, will present its final concert of the season at 8 p.m. Tuesday, April 7, in Eisenhower Auditorium on the University Park campus.

Tickets are \$4.50 for adults and \$2.50 for students and will be available at the door.

Bach's Lunch

The Penn State Horn Ensemble will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, April 9, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Lisa Bontrager, associate professor of music, and Kim Reese, a doctoral student in the music education program, direct the 21-member ensemble. The principal conductor of the group is Kevin Tutt, a master's candidate in the conducting program. Members of the ensemble are music and non-music majors from the studios of Bontrager and Reese.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge, in the Eisenhower Chapel. Coffee and tea will be provided.

Cultural Expo at Hazleton

The Penn State Hazleton Diversity Committee will conduct a Cultural Expo at 6 p.m. Tuesday, April 14, in the campus gymnasium. The public may attend the event, which is being held to promote greater awareness of cultural diversity. Members of various ethnic groups from the campus and the community will have the opportunity to give 20- to 25-minute presentations about their heritage. A celebration featuring the music, dances and food of the cultures represented will follow.

For more information or to participate, call Sue Cervasio at (717) 450-3194 before April 6.



BRUCE JORDAN CENTER

Lipizzaner Stallions

The "Wonderful World of Horses," starring the world famous Royal Lipizzaner Stallions, will be at The Bryce Jordan Center at 7:30 p.m. Friday, May 1. Tickets are \$17.50 and \$15.50 for reserved seating. There is a \$2 discount for children (12 and under) and senior citizens (60 and over). Group rates also are available at (814) 863-1812.

The Lipizzaner breed, originally bred as a horse of war, will be performing intricate equine ballet and stunning maneuvers and leaps to create an equestrian work of art.

This year represents the 29th anniversary season of The "Wonderful World of Horses" with a special salute to the world famous Spanish Riding School of Vienna.

Upcoming events

■ April 4: Steve Miller Band, 7:30 p.m. Tickets: \$22 and \$17.75.

■ April 5: Mary J. Blige and Usher with special guest NEXT, 7 p.m. Tickets: \$35.75.

■ April 8: Bolshoi, 7:30 p.m. Tickets: \$50 and \$25.

■ April 16-18: NCAA 1998 Men's Gymnastics Championship, 7 p.m. For tickets, call (814) 863-1000.

■ April 22: Hank Aaron, Distinguished Speaker Series presentation, 8 p.m., free admission.

■ May 28: Clint Black with Trace Adkins and The Kinleys, 7:30 p.m. Ticket information TBA.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campuses and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu>.

Beyond the Classroom Walls

A SPECIAL INSERT TO THE PENN STATE INTERCOM

PENN STATE
ide
INNOVATIONS IN DISTANCE EDUCATION

Research Project Seeks "A Community of Learners"

How do students in a distance education class come together socially, when their professor is many miles away? How do they interact with their professor and with students who are at other locations?

These are just two of the questions that Robert Lesniak hopes to answer in his Innovations in Distance Education (IDE) sponsored research project. Lesniak is an associate professor of education in the Division of Behavioral Sciences and Education, Penn State Harrisburg.

While most IDE faculty designed, developed and implemented distance education courses, Lesniak suggested he use his previous experience with distance education to launch a study of its effects on social relationships among students in a course.

"I am examining the experiences of ninety-five undergraduates enrolled in a criminal justice course that was offered via videoconference between Penn State Harrisburg and Penn State Schuylkill in the fall of 1997," he said.

The study will include written responses to questionnaires, personal interviews and videotaped answers to questions.

In a typical resident learning environment, students often seek out information about a course or instructor before they enroll in that course. Do students at distant sites have the same impulses, the same opportunities to get that kind of information? "At a far site, they often only get information in written form," Lesniak explained. "Typically, a distance learner may not know anyone who has taken a particular course offering."

Community continued on page 4

Providing Meteorology Students with Meaningful Experiences

One More Step in the Right Direction

The forecast for distance education is sunny and bright, as far as the Department of Meteorology is concerned. Thus, one associate professor's excitement at the opportunity to participate in the third year of the IDE project.

About half of all meteorology majors at Penn State begin their studies on a Commonwealth College campus. With meteorology faculty at only three sites—Penn State University Park, Altoona, and Hazleton—the department sought a way to provide some meaningful weather education to beginning students regardless of where they first enroll at the University.

"We wanted to give them a foundation in weather information," said Gregory Forbes, associate professor of meteorology. "Our goal is to provide some organized learning experiences for freshmen, so they have a sound basis on which to begin their studies."

Forbes teaches an introductory meteorology course at a distance for future majors at Penn State Abington, Beaver, Berks-Lehigh Valley, Delaware County, DuBois, Erie, Fayette, McKeesport, Shenango, Wilkes-Barre, and York. Weather map reading and weather data analysis are included in the class.

As part of the IDE project, Forbes is exploring ways to improve the distance education experience he is currently providing. He is also looking for ways to make the course available to a wider group of weather enthusiasts, like farmers and pilots, among others. It may eventually become a World Campus offering.

Today, the class uses Web-based instruction and is conducted asynchronously through e-mail messages using Badura electronic communication software.

The course content is spread out over two semesters with six lessons per semester. Students receive a package of course materials, including texts and guides which include lessons and assignments.

Comments on each lesson are sent to students via e-mail and include an electronic quiz and a homework assignment. Forbes explained: "The quiz can be read and completed on-line. I have created blank forms for them to fill out. Many of the homework assignments can be done this way. Some, however, like maps, have to be mailed to us."

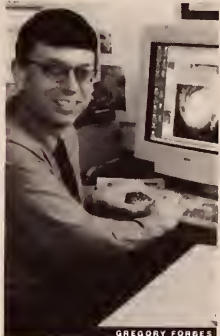
Forbes has taught this course at a distance twice before. "By implementing some of the guiding principles and practices developed by the IDE faculty, we've been able to make significant improvements to the delivery," he said. "Students seem to like the idea of trying something new. Still, we have a way to go. For example, we need to give students a chance to ask more questions when they come up. So, I am looking to set up a chat session. Whether we can do that with so many campuses involved remains to be seen."

Forbes's overall goal for his IDE project is to find better ways to provide feedback to his students. In addition to chat sessions, he is exploring some self-testing methods and new Web links as well.

"We want students at a distance to have an experience that is as powerful as the one our students in residence receive," he stated.

Working on the IDE project has given Forbes a greater appreciation for distance education. "It takes time to do it well," he began. "With distance education, I have to orchestrate everything in advance. All the students have to have the materials in advance. The Web site has to be updated so that it is timely. Class preparation and instructional design is critical. You have a lot to think about and have to anticipate how students will respond to material; otherwise they will soon be on the wrong track."

He says his attitude about distance education has passed through many evolutionary stages. First, it was fun. Then he became concerned about com-



GREGORY FORBES

municating effectively with his students. Now he is taking realistic measures to address his concerns.

To his teaching colleagues, Forbes offers this thoughtful advice: "The distinctions between distance education and residence instruction are going to become less clear-cut in the future, as we use more and more computers in the classroom. Whether at a distance or in residence, computers give you additional instructional capability."

To keep up with the rapid changes in technology and information turnover, companies and educators are likely to turn to distance education.

"Faculty who are good at conducting this kind of class will prosper," he predicted. "The IDE project has, I believe, helped raise awareness of the value of distance education activities. Each of our projects is one more step in the right direction."

From Pony Express to Cyberspace

IDE Project Connects College of Medicine to Preceptors

In 1994, the rules changed for students in Penn State's College of Medicine.

To achieve the goal of the College of Medicine's Generalist Physician Initiative project, required primary care courses were introduced in each year of medical school. Three of these courses require students to spend time with a physician in a community-based practice site, emphasizing sites in rural and medically underserved regions in Pennsylvania.

The College of Medicine faculty and administration developed a pro-

gram that included a one-week work experience for first-year students, followed by a four-week rotation in their third and fourth years of study. That program continues today and is the focus of an Innovations in Distance Education (IDE) project.

"In the third year, students are required to serve a clerkship with a primary care physician in Pennsylvania," said Carol Whitfield, Co-Director, Problem-Based Learning Track, Department of Cellular and Molecular Physiology, Penn State College of Medicine. These primary care physicians—or preceptors—

are asked to mentor and evaluate the performance of medical students in the delivery of care to patients.

With most of their education done within the walls of an academic health center, past students rarely got a chance to experience the realities of working in community-based clinics and private offices. "We also hoped that by introducing them to underserved areas, they might develop an interest in going to these places to practice when they graduated," Whitfield stated.

Once the preceptors were identified, the College of Medicine's chal-

lenge was to help them to be effective teachers, mentors and performance evaluators.

For several years that process has been accomplished through local training sessions and workshops. Glenda Shoop, academic and faculty development coordinator, Department of Family and Community Medicine, traveled extensively throughout the state to meet with preceptors. In addition, with partial funding assistance from the Robert Wood Johnson

Cyberspace continued on page 3



GLENDAA SHOOP

What's Past Is Prologue . . .

IDE Project Helps Pave the Way for the World Campus

As associate vice president for Distance Education and executive director of Penn State's new World Campus, Gary Miller has spent his career articulating the role that distance education plays in higher education.

"The IDE project is a part of an evolutionary process that has been underway since 1992," he said. "That was when the University Task Force on Distance Education recommended that distance education be fully mainstreamed into the academic community."

Penn State has been a leader in "distance" education since 1892, using correspondence study, radio, television, videotape, satellite television, compressed video, and computers to deliver courses and programs to students throughout Pennsylvania, the nation and the world.

The Task Force recommended that the University find ways to create a culture which is more positively accepting of distance education as a way to teach students. The IDE project was one way to encourage that to happen.

"We have some of the best teachers in the world here at Penn State," Miller stated. "Our job is to help equip them with the tools to teach in the distance education environment as well as they do in the environments they are more familiar with."

The IDE project had two aims. First, to provide faculty with opportunities to learn about distance education from a "hands-on" perspective and to encourage them to share their experiences with their colleagues, through formal documents and informal networking.

Second, to create, through a series of symposia of participating institutions, a document dealing with policies related to distance education. The symposia participants identified policies in

their respective institutions that promoted or hindered the creation of distance education courses. They also suggested policy changes that would help to support distance education within higher education.

"Many people have the perception that distance education is about technology," Miller explained. "But that is not the case. Technology is a tool. And distance education is about effective teaching using this tool. When we ask students why they come to our courses, they tell us it is because they wanted to learn a subject, not for the technology. Teaching is the core competency of distance education as it is for resident instruction."

As the IDE project comes to the end of its third, and final, year, Miller is pleased that it has helped pave the way for the launching of Penn State's World Campus.

"The idea of a World Campus first came up in the President's office in July of 1996," he said. "And in January of 1998, 18 months later, there were students enrolled in a World Campus course. That's an amazing turnaround time for a major new initiative at Penn State. The IDE project was one of the activities that helped give people the confidence they needed to feel comfortable with distance education."

With funding from the AT&T Foundation, Penn State was able to offer faculty a chance to try distance education, without having to do so solely in a production mode. "The project became a kind of distance education laboratory. It has also been a very important change agent process for Penn State. We did not know, when we began, that the World Campus would be the way that a cultural change would be articulated. But we did understand that mainstreaming distance education would mean change."

Miller was gratified that faculty participants in the IDE project challenged many of the most tightly held assumptions about distance education theory and practice. "For example, the whole question of interaction between students and between students and faculty was questioned. Many faculty asked if students could have a meaningful experience in a distance education course. They discovered that they can. Faculty and students can have interactions and establish relationships in a cyber environment that are as powerful as those in a standard classroom."

Reflecting on the IDE project, Miller is able to take particular satisfaction in sitting back and listening to faculty talk about their pedagogical discoveries.

"It is very rewarding to see that the idea of empowering students in distance education can be intellectually exciting. The World Campus has just begun, and we already see ways to create even better, more effective learning communities. We are beginning to see that we need to add public lectures, student activities, and chances for students to get together outside of class. Distance education will be more than just teaching courses. Rather, it will be the convening of people around ideas. It's an expanding horizon."

Miller said that the biggest challenge facing distance education is to make sure it is done with quality in a way that enriches the lives of the people who take a course. "People may think of distance education as a second chance. But we don't want it to be a second-best chance. We want it to be a high-quality, rich and rewarding experience for all who participate. We want distance education students to think of themselves as Penn State



GARY MILLER

students—to be as loyal to Penn State as students who attend any other campus of the University."

Today, University Park! Tomorrow, the World!

(Well, At Least China)

Tom Berner has a clear vision of the future. In fact, he's sitting in his office in Carnegie Building teaching a course in journalism. Many of his students are at remote sites in China, and the interaction is dynamic, exciting and educationally meaningful.

"It may be halfway around the world from us, but there is a great deal of interest in the English language, and many Chinese journalists would have an interest in a course like that," he said. Berner ought to know; he spent four months working in China in 1996.

Before launching a distance education class to Beijing or Shanghai, Berner felt he first needed to work with students in Pennsylvania and get some important distance education experience. "I wanted to crawl before I walked, before I ran," he explained. Involvement in the IDE project has allowed him to do just that.

Berner is currently teaching "The Literature of Journalism" to a group of students at Penn State University Park, though it is quite different from most other classes. "I am teaching from one building on campus to students gathered in another building," he said. "I am among the first to use an interactive desktop video unit to teach a class."

Although his students are not a great distance away, he treats them as if they are. "Going through this process is certainly a valuable experience for me," he stated. "But



TOM BERNER AND JOAN THOMPSON

it is also very good for the students. After all, they are going to encounter a lot of this technology as they move through their careers in the future."

The instruction includes both synchronous and asynchronous elements, times when Berner interacts directly with the group, and times when they respond to questions and work independently, on their own time.

Berner meets "chronically" with his students every week, at regularly scheduled times, via desktop videoconferencing equipment. There is also a course Web site and frequent e-mail communications between Berner and the class. This can be done at any time of day, when it is convenient for each student, and is free for Berner.

Students submit weekly papers—by 5:00 a.m. on the day they are due—to Berner via e-mail. He reads and grades

them, and then posts them on the Web site. "There are no grades on them, of course. Each student can read everyone else's papers for the entire semester," he said. "The advantage is clear. Students can benefit from the collective thinking of the entire group. The papers also help me to guide class discussions."

Berner is upbeat about the IDE project and about distance education in general. "We need to explore new educational paradigms," he stated, emphatically. "And the environment for these kinds of projects is much more positive than even a few years ago. The University leadership, and particularly President Spanier, has demonstrated the idea that if we want to continue to be a great university, we need to be a world player in distance education."

TOMORROW continued on page 4

Full Steam Ahead . . .

Successfully Navigating the Emerging Learning Environment

Workshop, Exposition, Scheduled for May 11-12
Institutional Policy Symposium to Follow

The capstone event of the third year of the Innovations in Distance Education project will take place on May 11 and 12 at the Penn State Conference Center Hotel, University Park, Pennsylvania. "SUCCESSFULLY NAVIGATING THE EMERGING LEARNING ENVIRONMENT" includes both a workshop and a faculty exposition that will explore many of the major issues that faculty and administrators need to consider when becoming involved with distance education.

The workshop will feature a keynote address by Professor Christopher Dedo, who holds a joint appointment in the School of Information Technology and Engineering and the School of Education at George Mason University in Fairfax, Virginia. The title of his address is "Emerging Media for Distributed Learning." His talk describes the key emerging issues in designing and using learning environments distributed across space, time, and human experience that combine the best aspects of conventional face-to-face instruction and distance education.

Discussion groups and concurrent sessions that follow will encourage participants to consider guiding principles and practices in the design and development of distance education. Among the topics to be discussed will be interactions among learners, instructors, and resources; guidelines for choosing instructional media and tools; and strategies for building solid relationships among learners at a distance.

On Tuesday afternoon, a Faculty Exposition open to the entire Penn State community at no charge, will present an opportunity to speak with IDE-funded faculty and other Penn State faculty involved in innovative teaching and learning initiatives. There will also be an

Full Steam continued on page 4



DONNA ROGERS

A Happy Confluence of Ideas:

Distance Education and the High Demand for Spanish 3

For the Department of Spanish, Italian and Portuguese/Linguistics, it's a matter of supply and demand. Each semester, the demand for sections of Spanish 3 increases, and the department does its best to provide enough space for all interested students. It's no easy task, said Donna Rogers, Interim Head of the department. "We simply can't keep up with it."

The use of distance education may help the department meet its goal. Rogers explained that the chance for her department to participate in the Innovations in Distance Education (IDE) project was a "happy confluence of ideas."

The department sought ways to deliver classes to more students, was interested in upgrading its teaching and technologies, and the Department of Distance Education was interested in offering Spanish 3 on a regular basis.

Can a language course really be taught at a distance? "We think it can," Rogers said, chucking at the question. It is clearly one she's had to face throughout the IDE project. "For us, distance learning probably does not mean completely independent learning. There will still be face-to-face instruction and a need for contact with native speakers. The challenge we face is to find ways to incorporate oral interpretation, listening and speaking skills in a distance education class. That's what we are working on with our participation in this project. Everything else can be done rather easily."

Videoconferencing may be one link to students that may work for language classes. There are others, including CD-ROMs, audio- and video-tapes and other ancillary course materials. "Conversations over the telephone may work well, too," Rogers stated.

The current project, largely designed by graduate student Andrew Wolff, includes several electronic communication tools:

- a class listserv (one way to do mass electronic mailings to a given set of people who have a common interest, as well as a way to conduct spontaneous discussions among students and with faculty)
- a Web site with links to other related sites and chat rooms
- a private chat room for students in the class

The resident class, taught at Penn State University Park, will serve as a pilot for future forays into distance education.

"We clearly benefited from the first two years of the IDE project," Rogers said. "Being involved has changed my vision of what distance education really is. I used to think of correspondence courses when I heard distance education."

Rogers and Wolff both recognize that the IDE project has provided "baby steps" in attempting to change the way people think about distance education and their willingness to try it. "But I have seen the insights I need to start conversations with my colleagues," Rogers acknowledged. "I felt I had to set an example for others in my department. And the IDE project served as a catalyst for doing some things I had been thinking about doing for a long time. Creating the Web site for example. Placing old Spanish manuscripts and other resources on the Internet, so my students could access them easily."

While many people think only of "technology" when they hear "distance education," Rogers is quick to point out that it goes well beyond computers, modems and video monitors.

"Those things are merely a means to an end. And, in the end, you can have an experience with a distance learner that is more than a poor shadow of the experience you can have with a resident learner. It is dynamic, practical, and purposeful in its own right. It is just as valid and sometimes even more exciting."

The guiding principles and practices, developed by the entire IDE faculty will prove to be a valuable tool for anyone interested in trying distance education, Rogers claimed. "There is an incredible range of possibilities that simply never occurred to me before I started reading and working on the principles. There are also many things in them that can help enhance our residence courses, too. We can make education a much better, richer experience for all students."

Turf Grass Expert Sows Seeds of a World Campus

It comes as no surprise to hear one of the world's leading experts on turf grass management speak of sowing seeds when talking about distance education.

"I don't think you will see a dramatic change overnight," said Al Turgeon, professor of agronomy, College of Agricultural Sciences. "But the Innovations in Distance Education (IDE) project has helped to sow the seeds throughout Penn State. People who might not otherwise be aware of [distance education], may now be inclined to become involved."

Turgeon, who is teaching the first course offered on the University's World Campus, was on the steering committee for the IDE project.

"We viewed it as a 'get-you-feet-wet' experience," he stated. "It provided guidance and assistance from instructional designers and computer experts. They helped faculty explore technologies and ways of thinking that they may not have used otherwise. These faculty members took the plunge and were able to enhance the quality of their teaching."

Getting involved with distance education has been exciting and fun, Turgeon said. "I think it is wonderful to be able to extend the reach of our educational efforts. I can teach people who otherwise would not have had access to these kinds of programs."

As a world-renowned expert on turf grass management, Turgeon has traveled widely, speaking at many international conferences. Individuals in many nations use his book as their course text. "With the World Campus, I can take my course, give it a very rich Web-based teaching, and extend it to students anywhere. That fact is enormously satisfying to me," he stated.

Turgeon recently attended a conference for golf course superintendents, where he found great interest in his course from turf professionals in Brazil, England, Ireland and many other places.

While he is now a strong proponent of distance education, Turgeon understands that growth in this new approach to teaching will take time and be gradual. He recognizes that change is not always quickly embraced.

"As a teacher myself, with 30+ years experience, there is no question that I prefer to have my students around me in the same physical

space. If you love teaching, you love being with students. But I would argue that Web-based teaching is simply different teaching. You don't see the faces of your students. Instead, you read their words. You monitor their work and motivate them through your electronic communications with them. The objective is still the same. You just use different tools."

Can students really learn in a distance learning environment? Can an undergraduate, for example, survive in a cyber course?

"Absolutely," Turgeon responded emphatically. "If we tell them what we expect of them, and then insist that they give it to us, it is amazing how well these students will do. I have found that to be true in my case studies course."

In that campus-based class, Turgeon put all the cases on a Web site. The students received assignments by downloading them off their computers. The reports they wrote in response to questions were submitted to Turgeon electronically.

"I started out with students who couldn't write complete sentences. Over time, they got better. In the end, they met my expectations for them," he concluded.

New technologies can be used for more than just distance education, he explained. "It's nonsense to say that technology is only applied to distance education. It can be used just as well in resident instruction. Think of how the computer can simplify the logistics for the resident instructor who wants classmates to share all their papers with one another. They post them on the site and it's done."

Turgeon is convinced that desktop education will be the way to go in the future. "I can reach every nook and cranny," he said. "If you have a computer, a modem, and a service provider, you can register and take a course."

No matter how effective a teacher may be, Turgeon believes there is always room to improve, always new ways to reach students. For him, innovation is important to higher education. "That's why the University's support system is critical. It has to facilitate change."

Cyberspace (continued)

Foundation, Shoop conducted videoconferences on Pennsylvania's HealthNet.

The system worked but was difficult to maintain. "It was the Pony Express way of doing things," Whitfield said.

Participation in the IDE project offered a chance to move into cyberspace.

"We are using the project to take us to a new, more sophisticated level," Shoop explained. "It has greatly enhanced our ability to reach our physician preceptors."

To start, Shoop, Whitfield, and Robert Jones, director of Predoctoral Education, in the Department of Family and Community Medicine, worked with staff from the Department of Distance Education, the Outreach Office of Program Planning, and the Center for Academic Computing to create a project Webpage.

"We are total novices in distance education, but we see it as a way for us to meet future challenges," said Shoop. "So while we jumped right in, we are still looking at several phases of the project."

By accessing a Webpage, physician preceptors can receive information on

teaching and student evaluation. Shoop and Whitfield expect to add instructional lessons and tests for the preceptors as well.

The preceptors will go through a lesson and then e-mail responses to Hershey. "We'll grade it and award continuing medical education credits for it," said Shoop.

A chat room may also be added, allowing preceptors to communicate regularly—on-line—with experts in the field of medical education. Links will be added to the Webpage to connect to other medical schools, widening a physician's ability to access a wealth of materials in continuing medical education and with each other.

"We envision a desktop classroom someday for these individuals," said Whitfield. "And courses that will include CD-ROMs and other software. It will be a great bonus when we go out to recruit new preceptors," Whitfield said.

Participation in the IDE project has given the College of Medicine team an opportunity to work through the design process. Further, they have contributed to the development of a set of distance education guiding principles and practices.

"I never thought about distance educa-

tion at all, before this," Whitfield said. "Now, I see it as a way to overcome some of our greatest challenges."

For Shoop, who had some experience with distance education, the IDE project has confirmed her confidence in it. "I've had the opportunity to network with faculty and staff who have the kind of expertise in distance education that I seek. The project has allowed me to think seriously about distance education and has given me a framework for my thinking about using it."

Whitfield concluded: "If I could give my colleagues advice it would be this: Get an instructional designer involved right away. Someone who can help you think about the educational experience. Someone who can help you ask the right questions. For the nuts and bolts of making our preceptors better teachers for our students, distance education is an invaluable tool."

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Don't Miss The Wave

Healthy Skepticism Gives Way to Confidence

"Don't get stuck with chalk in your hand. In five years there won't be students taking your classes. That's what I would say to my teaching colleagues," said Judy Ozment Payne, associate professor of chemistry at Penn State Abington College. "I've got chalk calipers, so I am going to start listening to my own advice. We should not do so many linear process teaching when there are so many wonderful dimensions available."

Ozment Payne sees the wave of technology and new teaching practices that is negating the pedagogical shore. "Don't miss it," she said.

As a participant in the third year of the Innovations in Distance Education (IDE) project, Ozment Payne is investigating ways to teach Chemistry One, molecular science, as an effective distance education course.

"It is chemistry for good citizens," she explained. "It includes current events—acid rain, global warming, pollution—and molecular science and chemistry."

Since the class is intended for nonmajors, it cannot employ complicated software packages—like Matlab, for example—that require students to learn a complex new language.

"I need to be able to concentrate on teaching chemistry," Ozment Payne stated. That is why she is investigating various ways to allow students to use a simple e-mail system to send the proper chemical notation. New communicators like Internet Explorer are offering standard text formats that are a bit more flexible. "They permit us to put the 2, in H₂O below the line. H₂O has to have a subscript or it is not correct."

Once an acceptable solution is found for use in Chemistry One, Ozment Payne expects it to be applicable to other science courses, too.

She is also using funds from the IDE project to develop a Web-based Independent Learning module. "The project is helping me get used to thinking about students who don't have immediate contact with me," she said.

Has the experience influenced her thinking about distance education?

"Oh, yes. It certainly has. I have always been skeptical of distance education. I have been waiting for the technology to catch up with how science should be taught. I doubted that a distance science class could have the same quality as one taught in residence. Now, I am much more enthusiastic



JUDY OZMENT PAYNE

about distance education. There are far fewer barriers to communication. I am starting to see that things are very close to what we need."

Excellent teaching techniques are important to the design of both resident and distance education classes, Ozment Payne explained. "I always ask, 'What am I teaching?' 'What do I really want the student to go away with?' 'How does this all fit together?' I am learning that the strategies used for resident instruction apply to distance education."

The Guiding Principles and Practices for the Design and Development of Effective Distance Education have proven helpful and encourage new ways of thinking about teaching and instruction. Ozment Payne was delighted to make a contribution to their creation. "There is a lot of wisdom in that document," she noted. "It is very useful to those creating distance education classes. They are very balanced. They keep in mind the fact that some faculty have no idea about working in distance education, while others are pretty well connected to it."

Her experience with IDE has created new opportunities for Ozment Payne. "I just got an e-mail from my dean asking me to chair the freshman seminar development committee," she said. "I am now in a position to influence what happens in the future at the campus."

Community (continued)

Lesniak wants to see if e-mail communication is an effective way to bring students together. He said that he wants to "determine if it is possible for students to develop a feeling that they are part of a community of learners. How they react to things like e-mail from the instructor and other students."

In his own distance teaching, Lesniak is setting up a system for each student to know what every other student is working on. "That way, if they come up with some information that might be helpful to someone else, they can send it."

Lesniak's first involvement with distance education came when he volunteered to "be the guinea pig when our first Picturedrive unit arrived on campus" he said. "I liken it to being a test driver for Ford or General Motors. I did a great deal of

experimenting and was able to help other faculty members design courses."

Distance education offers opportunities that every teacher should seek out, says Lesniak who encouraged them not to be intimidated by the technology.

"At my age—61—I can do it. And if I can do it, anyone can," he intoned, enthusiastically. "I tell people, 'Strap in. Go along for the ride. It's exciting, and you are going to enjoy it.'"

He feels that the IDE project's guiding principles and practices can help every teacher, regardless of the class or methodologies employed.

"When you work with people who are at distant sites, you have to be well prepared. You can't pull things out of your back pocket at the last minute. The instruction has got to be interactive, too. All of the things that apply to resident instruction

apply to distance education."

Lesniak expects his research to build upon the information reported in the book *The Effects of Distance Education*, produced by the American Center for the Study of Distance Education. He said that there is long history and a strong base of research in the field. He is focusing on how the distance environment can be improved for students.

Distance learners and their instructors can develop strong, caring relationships over the Internet. However, it is not about technology," he cautioned. "When technology is used without serious instructional design, it will be a very disappointing experience. There are no shortcuts. Luckily, Penn State has an excellent group of support people to help you create your experience."

Tomorrow (continued)

He encourages faculty to seek out distance education resources at Penn State. "They are numerous and should be used," he said. "Teamwork is critical. Don't think you are in it alone. You can get all the help you need. I say that as a beginner. The Distance Education and Outreach Office of Program Planning will work closely with you. So will the staff at the Center for Academic Computing. I am learning things about technology that I never knew."

According to Berner, being a part of the third year of the IDE project has been a plus for his class work. "I was able to gain a deeper appreciation of the distance education guiding principles and practices developed as part of the project. They are already working. We used them to adjust our plans. Faculty need to understand that it is important for all of us in higher education to keep looking for new ways to deliver our knowledge. It's that or we become dinosaurs."

Full Steam (continued)

also be an opportunity to view many of the projects these faculty members have designed and developed. This unique experience will also include other exhibits and refreshments for attendees to enjoy.

Immediately following the workshop and exposition, the third invitational policy symposium of the IDE project will be held. From the evening of May 12 through May 14, institutional policies—and their relationship to distance education—will be the focus of an invited group from twenty institutions.

The policy symposium involves representatives from all Committee for Institutional Cooperation (CIC) institutions—the Big Ten schools and the University of Chicago—as well as several historically black institutions, including Cheyney and Lincoln universities. This year's policy symposium will be addressing learner participation and curriculum and support service policy. The group will examine institutional policies on these topics as they affect the mainstreaming of distance education into higher education.

The aim of the symposium has been to create a forum for developing and sharing strategies that will guide higher education in the effective implementation of distance education at the policy level.

ide
INNOVATIONS IN DISTANCE EDUCATION

IDE

A Q & A with Deborah Klevans, director of the Outreach Office of Program Planning and project manager for Innovations in Distance Education

Q. IDE's three-year project is coming to a close. Has it attained its objectives?

A. In large measure, yes. This is an ambitious project. On the one hand, we wanted to give faculty members from many of Penn State's colleges an opportunity to design and develop distance education, to experience the various possibilities it allows, learn about different instructional designs and tools, and articulate a set of guiding principles and practices that we anticipate will be useful for others.

The faculty members who participated in the project (some of whom are featured in this publication) have found that the hands-on approach allowed them to experiment, assess results, and use their experiences to influence their currently or eventually will offer. Their experiences and their discussions with colleagues about the potential uses of distance education have begun to influence the culture of the University regarding distance education and have contributed to its readiness to launch Penn State's World Campus.

Q. And the other component of IDE?

A. The policy symposia have looked at distance education from a different perspective. They offered key administrators in CIC and Historically Black Institutions (HBI) an opportunity to grapple with issues related to institutional policies. Together we considered how to eliminate barriers and devise policies that would support the inclusion of distance education within the mainstream of higher education.

Q. What do you see as the real benefits of IDE?

A. I think you'd get as many answers as there were participants. The participating faculty across our academic colleges, and those of our HBI partners, have created a number of innovative educational programs that are enhancing learning. They've benefited from working with teams of skilled instructional designers and technology specialists. Even more importantly, their ongoing deliberations led to the preparation of a set of guiding principles and practices intended to help other faculty. Through presentations and publications supported by the project, their insights are being shared with others, many of whom are considering whether and how to become involved in teaching at a distance.

The proceedings from the policy symposia have raised consciousness about issues affecting the development of distance education courses, institutional responses to distance education, and changes in the academic culture regarding teaching and learning.

The project-sponsored, two-day conference and faculty expo coming up May 11 and 12 will showcase what we've learned. It really draws together many of the elements of the entire project and will, we hope, provide all of those who attend with opportunities to benefit from our experience.



DEBORAH KLEVANS

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, April 3

"Urban Fusion," concert, noon, Kern.
 "Into the Woods," 8 p.m., The Playhouse, through April 11. For tickets, call (814) 863-0255.

Concert Choir/University Choir Concert, 8 p.m., Recital Hall.

"A Capella Late Night" with Shawn Altman, 10 p.m., Forum.

Saturday, April 4

"Six-Legged Stationery," stationery from hand-made bug stamps, 10 a.m. to noon, 102 and 208 Headhouse III.

■ Scott Schweigert on "16th- and 17th-Century Italian Paintings at the Palmer Museum," 11:30 a.m., Christoffers Lobby, Palmer Museum.

"All That Is Glorious Around Us: Paintings from the Hudson River School," panel discussion, 1 p.m., Palmer Lipson Auditorium.

Donna Sansone, flute, and Zach Cairns, percussion, student recital, 2 p.m., 122 Music II.

Anne Burridge, voice, student recital, 2:30 p.m., Recital Hall.

Barbara Hess, voice, student recital, 5 p.m., Recital Hall.

Hampton String Quartet, 8 p.m., Schwab Auditorium. For tickets, call (814) 863-0255.

Carrie Wik, horn, student recital, 8 p.m., Recital Hall.

Sarah Griffin, trombone, student recital, 8 p.m., 122 Music II.

Sunday, April 5

■ "Frühling Posaanen," Penn State Trombone Choir, Ithaca Trombone Troupe and Eastman Trombone Choir, 3 p.m., Recital Hall.

Monday, April 6

Jazz II and III Concert, 8 p.m., Recital Hall.

Tuesday, April 7

Natalia Orlovskaya, voice, graduate recital, 8 p.m., Recital Hall.

Philharmonic Orchestra, Pu-Oi Jiang, conductor, 8 p.m., Eisenhower Auditorium.

Thursday, April 9

Percussion Ensemble, 8 p.m., Recital Hall.

Friday, April 10

■ Scott Schweigert, gallery talk on "16th- and 17th-Century Italian Paintings at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

Saturday, April 11

Andrea Bidelsbach and Marisa Sorrentino, voice, student recital, 4 p.m., Recital Hall.

Nadine Balweh, voice, student recital, 8 p.m., Recital Hall.

Sunday, April 12

Gregg Goldman, percussion, student recital, 4 p.m., 122 Music II.

SEMINARS

Friday, April 3

Akita Tomonura on "Real-Time Observation of Magnetic Forces in Superconductors Using Electron Waves," 11 a.m., S-5 Osmond Laboratory.

■ William Schlesinger on "The Global Carbon Cycle and the Duke Forest Free-Air CO₂ Enrichment Experiment," 3:35 p.m., 101 Agricultural Science and Industries.

Pierre Kersberger, author; John McCumber, panelist; and Avery Goldman, moderator; on "Critique and Totality," 4 p.m., 124 Sparks.

Preetha R. Pulusani will hold a hands-on demonstration of Geographic Information Systems and softcopy photogrammetry products, noon to 4 p.m., 101 Kern.

Bianne Bowen on "Promotion and Tenure," 3 to 5 p.m., 114 Kern.

Tim Palmer on "The Columbia Watershed of the Northwest," 4 p.m., 206 Walker.

Monday, April 6

Premdeep Dhanoa on "Experimental and Numerical Analysis of Deposition of Particulate Materials in Confined Spaces" and Raghu Kandala on "Measurement of Flow Properties of Powders at Low Pressures," 12:20 p.m., 239 Agricultural Engineering.

■ Wella Silverman on "Two Generations of Bas-Bleus: The Comtesse de Mibebau and her Daughter, Gyp," 12:40 to 1:20 p.m., 101 Kern.

Sang-wu Cheong on "Charge Stripes in Doped Mott Insulators," 3:30 p.m., 339 Davey Laboratory.

■ Marcos Camara on "The Brazilian Cerrado: An Agricultural Frontier," 3:35 to 4:30 p.m., 112 Buckhout Laboratory.



Coming this summer

Anthony Irons, left, Kristin Rossi, Nicole Peterman and Chrissy Ames practice a dance number from "Children of Eden." The play is one of the summer offerings from Pennsylvania Centre Stage, and will run July 17 through Aug. 1. For tickets, call (814) 863-0255 or (800) 278-7849.

Photo: Greg Grieco

Ronald Cluett on "Triumvirat Loyalties," 4:30 p.m., 102 Weaver.

Tuesday, April 7

C.J. Radke on "The Dynamics of Protein Adsorption at the Oil-Water Interface from Total Internal Reflection Fluorescence Microscopy," 10 a.m., 140 Fenske Laboratory.

Mark Handcock on "Longitudinal Random Effects Models for Wage Profile Analysis," noon to 1 p.m., 406 Oswald.

John Baez on "Spin Foam Models of Quantum Gravity-Part II," 2 p.m., 339 Davey Laboratory.

Samuel Florman on "The Introspective Engineer," 2:30 p.m., 214 Boucke.

Tom Dowling on "Introgation Among Cyprinid Fishes of the Genus Luxilus: A Molecular Perspective," 4 p.m., 8 Mueller Laboratory.

Joseph Cannon on "Exercise, Immune Fat and Nutrition," 4 p.m., S-209 Henderson.

■ Barbara Bauer on "Helpless Heroes in a Hostile World: How Children Perceived the Nazi Terror," 4 p.m., 101 Kern.

Gene A. Keluche on "The Ethics of Ownership Versus Stewardship," 5:30 p.m., The Nittany Lion Inn.

Wednesday, April 8

Harold D. Hais on "Biotechnology: The Future of Animal Agriculture?" 11 a.m., 101 Agricultural Sciences and Industries.

Gro Tostethaugen on "Ozone-Induced Changes in Guard Cell Membranes: A Patch-Clamp Study," 12:20 to 1:10 p.m., 111 Tyson.

■ John Wood on "New Zealand's Influence on the United States: General Propositions and Personal Experiences," 3:45 p.m., Eisenhower Chapel Memorial Lounge.

Vincent Mor, Jackie Zinn and Diane Brannon, panel discussion on "Do Good Nursing Homes Achieve Good Resident Outcomes? Preliminary Finding," 4 to 5 p.m., 110 Henderson.

Susan C. Yee on "Succeeding in Corporate America and the Internet Industry: An Asian American Perspective," 5 p.m., Carnegie Cinema.

Ward Connerly on affirmative action, 8 p.m., Schwab Auditorium.

Thursday, April 9

A.L. Fetter on "Bose-Einstein Condensation in a Trap," 3:30 p.m., 101 Osmond Laboratory.

Hui-Hein Chou on "Computational Biology and Biological Modeling — Beliefs, Perspectives and Applications," 4 p.m., 302 Pond Laboratory.

Friday, April 10

John Lanico on "Modeling and Simulation — The Next (Virtual) Frontier," 4 p.m., 206 Walker.

CONFERENCES

Friday, April 3

Children's Literature Matters, The Penn State, through April 4.

Monday, April 6

Master Food Handlers, Agricultural Science and Industries Building, through April 9.

Tuesday, April 7

Visible Emissions Training, The Penn State, through April 8.

EXHIBITS

Computer Building

"Naked and Not Ashamed," by Tia Dillard, through April 30.

HUB Fossil Gallery

■ David Doughty exhibits terra cotta plates, through April 25.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

North Halls Cultural Lounge

Ceramic pieces by Paul Zuber, through May 7.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

All That Is Glorious Around Us: Paintings from the Hudson River School, through May 17.

Waring Hall Multi Purpose Room

Simon Bray exhibits his acrylic works, through April 29.

Zoë Gallery

M.F.A. Exhibition by Carrie Ann Plank and Heather Reed, through April 14.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

CQI

CONTINUOUS
QUALITY
IMPROVEMENT

Quality conference

Don't be the last in your office to register for Penn State's Quality Conference, "Integrating Quality: Building Blocks for Excellence," to be held on April 21-22 at The Penn State Conference Center Hotel. The Quality Conference will precede the Quality Expo that will be held on April 22 from 11 a.m. to 3 p.m. in The Nittany Lion Inn. For additional information or to register for the conference, call Roberta Moore at (814) 863-5120 or e-mail conferencel@ccde.psu.edu.

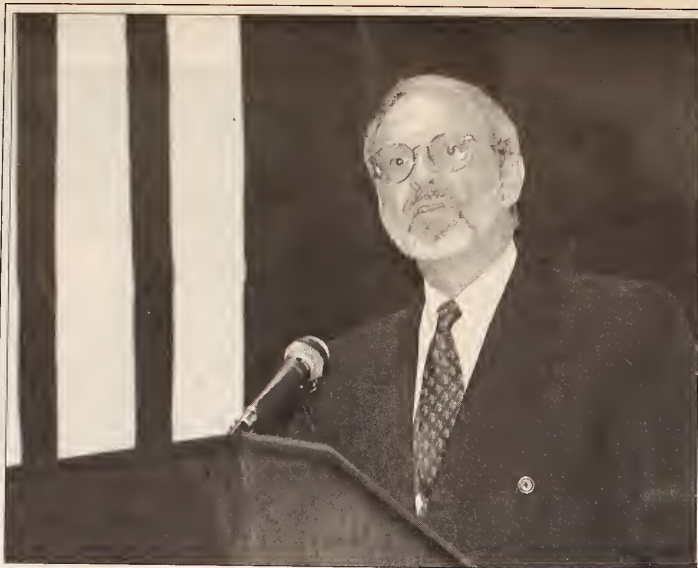
New team focuses on parking

Nine new CQI teams have formed in the past month, and one of them will focus on the handling of cash received for parking at Bryce Jordan Center events and the accounting processes necessary to reconcile the funds between the center and Business Services. The team sponsor is Neil Kellen and co-leaders are Kendra Lucas and Emily Chiang. The team's work will be facilitated by Sue Oram. Other team members include Jean Harris, Holly Munnell, Ed Johnston, Doug Holmes, Cathy Shannon, Rick Wiltner and Steve Shelow.

Baldrige criteria available

The 1998 Malcolm Baldrige Education Criteria for Performance Excellence provide schools with the same challenging opportunity to self-assess that businesses have had for 10 years. In addition, the 1998 education criteria provide a systems view of school performance management, a focus on students and other stakeholders, and an opportunity to examine key school processes and performance results. It is anticipated that a Baldrige Award category for education will be introduced in 1999. For a free copy of the education criteria, call (301) 975-2036; e-mail nqp@nist.gov; or see the Web at <http://www.quality.nist.gov>

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LE510@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.



Forum speaker

Higher education institutions must balance market forces with academic values, weighing the four main drivers of change — economic pressure and competition; government demands for accountability; quality benchmarks; and information technology — if they want to continue to thrive, according to William F. Massey, above. Massey, professor emeritus of Stanford University and senior researcher at The National Center for Postsecondary Improvement, spoke on "Academic Values and Market Forces — Higher Education at the Crossroads" at the Penn State Issues Forum March 25 on the University Park campus. Remaining speakers in this three-part series on the future of higher education are David K. Scott, chancellor of the University of Massachusetts at Amherst, who will speak April 17 on "Learning to Change — The University as a Learning Organization," and Lee S. Shulman, president of the Carnegie Foundation for the Advancement of Teaching, who will speak April 30 on "Teaching and Learning — New Approaches in Higher Education." For ticket information and locations, call the Faculty Staff Club at (814) 865-7590.

Photo: Greg Grieco

New at Penn State

Language requirement added to Smeal College bachelor's degrees

Beginning this summer, all students intending to earn a bachelor's degree from The Smeal College of Business Administration will be required to achieve a proficiency equivalent to 12 credits in a foreign language. The move is expected to affect some 1,850 students embarking on business studies this year throughout the University system.

The change is part of the ongoing development of Smeal's new Curriculum for Undergraduate Business Education (CUBE) and is designed to better prepare graduates for global careers.

In an effort to "liberalize" business education in the Smeal College, students not only will be expected to have third-level proficiency in French, for example, but also will be expected to take courses in French history, literature, culture or civilization.

With the approval of a language requirement, Smeal joins a select group of American business colleges demanding this skill of their graduates. It is also the first time that all Penn State business students have had to fulfill such a requirement since 1953. Before that time, when the College of Business Administration was established, future managers undertook their studies in the College of the Liberal Arts' Department of Commerce and Finance. Foreign language was a degree require-

ment for a bachelor of the arts in commerce and finance.

In more recent years, only students planning to take one of Smeal's international business majors were required to be proficient in a foreign language. Approximately 550 Smeal undergraduates are international business majors.

University-wide, a new requirement regarding foreign language was approved last year by the Faculty Senate. Beginning with high school students in the class of 2001, all those wishing to attend Penn State must have at least two years of foreign language study under their belts. Currently, more than 90 percent of first-year Penn State students already meet this requirement.

Lehigh Valley classroom now a wireless computer center

Penn State Lehigh Valley recently transformed a regular classroom into a wireless computer center called the Collaborative Classroom or CoLab. Currently, 11 instructors are using the \$92,000 facility for various courses.

The lab, which holds a class of 24 with laptop computers that give students full access to the Internet, was partially funded with a \$67,000 grant from the University's Committee on Instructional Facilities.

For more information on the CoLab, go to the Web at <http://www.tv.psu.edu/jsn3/cclab>.

Appointment

Delaware County appoints academic affairs director

George W. Franz, associate professor of history and American studies at Penn State Delaware County, has been named director of academic affairs at the campus. Franz is replacing Madlyn Hanes, who accepted the position of campus executive officer at Penn State Great Valley.



GEORGE W. FRANZ

Since joining the Penn State Delaware County faculty in 1968, Franz has received numerous awards including several University-wide awards: the George W. Atherton Award for Excellence in Teaching in 1990; the College of the Liberal Arts Outstanding Faculty Adviser Award in 1993; and the McKay Donkin Award in 1994.

During his 30-year tenure at Penn State, Franz has been extremely active in University governance. Except for a short hiatus while he was on sabbatical leave, he has been a University Faculty Senator since 1971. He was secretary of the Senate in 1978-79, chair elect, chair and past chair, 1979-82. He has served on the Faculty Advisory Committee to the president under the last four Penn State presidents.

Franz has served as chair of the Joint Committee on Insurance and Benefits since 1986. He chaired the University Task Force on Health Benefits and Life Insurance in 1991-92, and he currently chairs the University Task Force on the Future of Benefits, which is expected to issue a report at the end of this academic year.

Franz also chaired the University Task Force that proposed the creation of the University Scholars Program, which recently evolved into the Schreyer Honors College.

He received his B.A. from Muhlenberg College, and his M.A. and Ph.D. from Rutgers University. He is the author of two books and was also project director and editor of the *Papers of Martin Van Buren*, a 56-reel microfilm edition of the papers of the eighth president of the United States.



Enforcing the rules

Robert Henry, community service officer at University Park, checks parking permits in Parking Lot 83 North. Nearly 17,000 faculty, staff and student vehicles are registered to park on the University Park campus.

Photo: Greg Grieco

Bookshelf

Education and Cultural Studies: Toward a Performative Practice, edited by Henry A. Giroux, Waterbury chair of secondary education in the College of Education, along with Patrick Shannon, professor of language and literacy education, has been published by Routledge, New York and London.

In this collection of essays, the editors bring together the areas of critical education and cultural studies to demonstrate how a critical understanding of culture and education can implement broad political change. In their collective rejection of romantic utopianism, they take a practical view of the current climate, teaching us how we can begin to translate—and perhaps even transform—the vexing social problems that confront us daily.

Janice Light, an associate professor of communication disorders in the College of Health and Human Development, has co-authored a book with Cathy Binger titled *Building Communicative Competence with Individuals Who Use Augmentative and Alternative Communication*.

This strategic resource offers goal-setting, teaching and coaching methods for professionals and communication partners of people who depend on augmentative and alternative communication (AAC) systems. The book was published by Paul H. Brookes Publishing, Baltimore, 1998.

Murray R. Nelson, professor of education in the College of Education, has written *Children and Social Studies: Creative Teaching in the Elementary Classroom*, (third edition) published by Harcourt, Brace and Co. (1998). The book is a comprehensive look at school-related social studies education and teaching, and covers

such issues as teaching strategies, social studies in the school curriculum and community resources.

Paul A. Orlov, associate professor of English at Penn State Delaware County, is author of a book on Theodore Dreiser and his most famous novel, *An American Tragedy: Perils of the Self Seeking "Success."* In this book, published by Associated University Presses for the Bucknell University Press, Orlov uses both intensive analysis of the novel's vast text and the application of various concepts from philosophy as well as sociology to offer a very new reading of *An American Tragedy* (first published in 1925). Orlov's study of the work catches a detailed, radically new view of the crucial issue of moral responsibility for the novel's protagonist—as this scholarly volume argues, controversially, that the novelist's implicit philosophy on the human condition in modern America is essentially anti-naturalistic.

Ian Osborn, consulting psychiatrist with the Center for Counseling and Psychological Services, has written a book, *Tormenting Thoughts and Secret Rituals: The Hidden Epidemic of Obsessive Compulsive Disorder*, to be published April 2 by Pantheon Books Division of Random House Inc.

Taking Wing, Archaeopteryx and the Evolution of Bird Flight is the title of a new book published by Simon & Schuster. Its author, Pat Shipman, adjunct associate professor of anthropology, describes the heated scientific debate over the origin and evolution of flight in birds, beginning with the discovery of the first feathered fossil of *Archaeopteryx lithographica*—one of the most famous fossils ever discovered. This

discovery rocked the world in 1861 with its strong support for Darwin's then-new theory of evolution. Shipman reviews more than 130 years of theory and controversy over this species.

Shipman's earlier popular science books include *Wisdom of the Bones*, which she co-authored with her husband, Alan Walker, distinguished professor of anthropology and biology at Penn State. Shipman's popular science books also include *The Evolution of Racism*, published in 1994 by Simon & Schuster, and *The Neandertals: Changing the Image of Mankind*, written with Erik Trinkaus and published in 1993 by Knopf.

Donald J. Willower, distinguished professor of education, is senior author of *Values and Valuation in the Practice of Educational Administration*, published by Corwin Press. Co-author is Joseph Licata, a professor at Oklahoma State University who received his Ph.D. from Penn State in 1975.

The authors note that moral choices can be made quickly when one option clearly is more principled than its competitors, but their focus is on concrete choices about competing goods, the lesser of evils, or alternative desirable futures. They contend that valuation, or the reflective analysis of alternatives and their consequences, is facilitated by understanding individual and social behavior and beliefs. They argue that inquiry and explanation are critical to ethical decision making. This naturalistic view of ethics contrasts sharply with neo-Marxist, subjectivist, positivistic, and post modern approaches. Naturalistic ethics, by situating moral choice in the relevant contexts and being open to reflective analysis, provides a way of making informed moral judgments in administration and everyday life.

Awards

Distinguished professor earns Commander Cross from Poland

Alexander Wolszczan, distinguished professor of astronomy and astrophysics, has received the Commander Cross of the Order of Merit Award from the president of Poland. This award was established in 1921 and is one of the three top awards granted by the president for extraordinary achievements in service to the country and to society. Wolszczan received the award for his "distinguished contribution to the development of Polish science."

In 1992, Wolszczan became the first person to discover planets outside our solar system when he used the 1000-foot Arecibo radiotelescope to detect three planets. He currently is one of the leaders in the effort to discover extrasolar planets.

Wolszczan received both the Casimir Funk Natural Sciences Award from the Polish Institute of Arts and Sciences in America and the Beatrice



ALEXANDER WOLSZCHAN

M. Tinsley award from the American Astronomical Society in 1996, the Penn State Faculty Scholar Medal for Outstanding Achievement in 1994, the Popular Science Grand Award for "Best of What's New" in 1994, the Alfred Jurzykowski Foundation award in 1993, and the Annual Award of the Foundation for Polish Science in 1992.

Wolszczan received a master's degree in astronomy in 1969 and a doctoral degree in physics in 1975 from the Nicholas Copernicus University in Torun, Poland.

He held faculty positions there until 1979, when he joined the Polish Academy of Science as associate professor at the Copernicus Astronomical Center. He was a visiting professor at Princeton University before joining the Penn State faculty as professor of astronomy and astrophysics in 1992.

Two professors gain admittance as Fellows of American Physical Society

Wolfgang E. Ernst, professor of physics and chemistry, and Mark Strikman, professor of physics, have been elected Fellows of the American Physical Society. Ernst's election to the society was based on his "contributions to high-resolution laser spectroscopy of diatomic molecules at high sensitivity and definitive spectroscopic experiments on alkali trimers and their interpretation." Strikman was cited for "developing light cone techniques for nuclear systems, applying these to deep inelastic scattering, and for original contributions related to understanding and measuring the effects of color transparency."

Ernst's research concerns the physics and physical chemistry of molecules and aggregates of molecules or atoms, called clusters. Ernst studies the interaction of electrons and atomic nuclei in molecules and clusters, with an interest toward metals and metal oxides. Knowledge of these interactions can lead to a better understanding of the electronic and chemical properties of new materials.

Strikman's research focuses on the microscopic properties of atomic nuclei and their primary nucleons, protons and neutrons. He has demonstrated that, in order to resolve the fine details of microscopic nuclear structure that have eluded



WOLFGANG E. ERNST



MARK STRIKMAN

low-energy probes, it is necessary to use high-energy reactions in which large amounts of energy and momentum are transferred to the target nucleons.

The American Physical Society's Fellowship Program recognizes members who have made advances in knowledge through original research and publication, have made significant and innovative contributions in the application of physics to science and technology, or have made significant contributions to the teaching of physics or service and participation in the activities of the society.

women's studies, to writing and composition. She has taught courses such as "20th-Century American Literature," "American Women Writers," "The Vampire in Literature" and "The Gothic Novel."

A 1992 graduate of Purdue University with a

Smeal honors three for teaching, advising

Three people in The Smeal College of Business Administration were honored recently for their outstanding ability to teach and advise undergraduate students.

In ceremonies held in The Nittany Lion Inn, Andrew Bergstein, instructor in marketing; Jocelyn M. Bennett, coordinator of minority affairs and minority student programs; and David P. Lepak, a doctoral student in management and organization, received the 1998 Fred Brand Jr. Awards.

Bergstein, who joined The Smeal College four years ago, has spent more than 20 years in the marketing industry. He teaches introductory marketing classes as well as courses in marketing communications and global marketing. His classes have consistently received top evaluations from his students.

Bennett helps advise undergraduate minority students in The Smeal College and serves as the adviser for the Multicultural Business Society, National Association of Black Academics, National Hispanic Business Association and Women in Business.

Lepak has taught classes in human resources management and is credited with communication skills and a sense of humor that allow him to build a rapport with his students. Constantly encouraging students to challenge themselves is one of Lepak's teaching philosophies.

The awards were created through the generosity of Penn State alumnus Fred Brand Jr. (BA '32), an insurance executive. They are based on nominations from Smeal College students and faculty members, with final selections made by a joint committee of students, faculty and staff of The Smeal College.

Four in Smeal are cited as outstanding staffers

Four in The Smeal College of Business Administration were singled out for Outstanding Staff Awards during the 1998 college recognition luncheon.

Receiving Outstanding Staff Awards were: Jean M. Beierlein, assistant to the executive director, Center for Logistics Research; Lisa L. Herr, staff assistant, Department of Accounting; Deanna S. Rudy, staff assistant, dean's office; and Janet Stiehler, assistant to the finance officer, financial office. The four were cited for exceptional professionalism, teamwork, creativity, integrity, professional development, community service and an ability to work with a diverse group of colleagues and customers.

Ph.D. in English, she also holds a master's degree in American and British literature and a B.A. degree in English from Purdue, where she served as a graduate teaching assistant. While at Purdue, Vickers received three annual awards from the Department of English for excellence in teaching.

Assistant professor receives Schuylkill Teaching Award

Anita M. Vickers, assistant professor of English and humanities at Penn State Schuylkill since 1993, has received the Penn State Schuylkill Teaching Award.

Vickers' teaching experience at Schuylkill covers a broad range of topics from literature to

Awards

Assistant professor receives Manufacturing Engineer Award

Xiang Zhang, assistant professor of industrial and manufacturing engineering, has been awarded the 1998 Dell K. Allen Outstanding Young Manufacturing Engineer Award from the Society of Manufacturing Engineers (SME). The honor is given to young engineers with significant achievements and leadership in the field of manufacturing engineering.

Zhang, who has been a member of the Penn State faculty since 1996, also received a National Science Foundation CAREER Award in 1997 to initiate a micro-manufacturing research program. This year, Zhang has offered two new courses in the college: a graduate course titled "Laser Technologies in Materials Processing and Manufacturing" and a combined undergraduate/graduate course on "Introduction to Micro-Manufacturing." Zhang also is involved in developing a micro-manufacturing laboratory for the department.



XIANG ZHANG

His research interests include micro-electro-mechanical systems, optical/magnetic storage and laser-based microtechnologies. Zhang received his B.S. and M.S. in solid state physics from Nanjing University in China, his M.S. in mechanical engineering from the University of Minnesota and his Ph.D. in mechanical engineering from the University of California, Berkeley.

He is currently an assistant professor in the Department of Industrial and Manufacturing Engineering at Penn State Harrisburg. Zhang is also a member of the Penn State faculty since 1996, also received a National Science Foundation CAREER Award in 1997 to initiate a micro-manufacturing research program. This year, Zhang has offered two new courses in the college: a graduate course titled "Laser Technologies in Materials Processing and Manufacturing" and a combined undergraduate/graduate course on "Introduction to Micro-Manufacturing." Zhang also is involved in developing a micro-manufacturing laboratory for the department.

Assistant professor named DuBois Penn Stater of Quarter for fall 1998

Sally J. Horsey, assistant professor of human development and family studies, has been named Penn Stater of the Quarter for fall 1998 at Penn State DuBois. Horsey serves as the program leader for both the associate and baccalaureate degree programs in HDFS at the campus.

The Penn State of the Quarter award recognizes, on a quarterly basis, a member of the Penn State DuBois family who has rendered particularly noteworthy service to the campus and/or the community.

Horsey joined the Penn State DuBois faculty in 1985 as a part-time instructor. In 1993, she accepted a full-time position as assistant professor of human development and family studies and program leader for the associate degree in human development and family studies. In 1996, she began working with HDFS representatives from across the University to develop the community service option of the baccalaureate degree in human development and family studies program that debuted last fall at several Penn State

locations, including DuBois.

In addition to leading both human development and family studies degree programs at DuBois, Horsey continues to teach courses in life-span development that cover the growth and changes people experience from infancy through old age. She also serves as the academic adviser to students majoring in human development and family studies.

In addition to her academic duties, she was elected secretary of the Penn State DuBois Faculty Congress for 1997-98, serves as chair of the search committee for an additional HDFS faculty member at the campus, and as faculty adviser to the HDFS Club and co-adviser to the Performance Club.

Horsey received both her M.S. and Ph.D. degrees in human development and family studies with minors in psychology from Penn State in 1974 and 1982 respectively. She also holds a B.A. in elementary education, magna cum laude, from the State University of New York in Oswego.

Three given 1997 EMS Outstanding Staff Award

The College of Earth and Mineral Sciences Outstanding Staff Award for 1997 has been presented to Nancy E. Warner, staff assistant in the Department of Energy, Environmental and Mineral Economics, Lynn K. Persing, staff assistant in the Department of Meteorology, and Frank Driscoll, technical support staff member in the Department of Materials Science and Engineering.

The award, established in 1991 by the EMS Staff Advisory Committee, recognizes exemplary performance and the ability to foster an atmosphere of cooperation and creativity in the college. The 1997 award winners were all cited for their dedication and positive attitudes toward their work and their colleagues.

Warner has been in the College of Earth and Mineral Sciences since 1967, and in her current position since 1989. She focuses on the day-to-day operation of the department, coordinating activities for both students and faculty.

Persing came to Penn State in 1988 and has spent the past five years in the Department of Meteorology, where she serves as one of the department's budget administrators, managing research grants and equipment purchases, and assisting with departmental travel activities. She previously worked in the college's Center for Advanced Materials.

Driscoll has been a member of the technical support team in Materials Science and Engineering since 1995. He is a computer specialist who helps to resolve faculty and staff software and hardware problems.



NANCY E. WARNER



LYNN K. PERSING



FRANK DRISCOLL

College of Engineering honors 10 as outstanding alumni

The 10 top engineers in industry, government and the development of state-of-the-art technology will be honored as the 1998 Penn State Outstanding Engineering Alumni at the University Park campus on April 6. In addition to receiving their honors, the awards recipients will meet with faculty and talk with students during their visit to campus.

The annual Outstanding Engineering Alumni Awards are the highest honor conferred by the College of Engineering. Only 181 men and women out of more than 71,000 alumni worldwide have received the award during its 32-year history.

This year's outstanding alumni are:

■ **Harry L. Bell** of State College, retired assistant division manager of Hughes Aircraft. He is a 1948 electrical engineering graduate.

■ **John J. Brennan** of Yardley, Pa., chairman and

CEO of International Computerized Telemarketing Group Inc. Brennan graduated with a master's degree in nuclear engineering in 1965.

■ **David M. Brewer** of Little River, Calif., retired vice president of compatible systems for Amadahl Corp. He is a 1959 engineering science graduate.

■ **William H. Colwill** of York, Pa., vice president for marketing at American Hydro Corp. Colwill holds a master's degree and doctorate in mechanical engineering from Penn State.

■ **Janet B. Cunningham** of Radnor, Pa., president and CEO of JBC Associates. Cunningham is a 1980 civil engineering graduate.

■ **John H. Hollenbach** of Westfield, N.J., strategic planning adviser for Exxon Co. International.

Hollenbach graduated with a chemical engineering degree in 1978.

■ **Larry E. Kittelberger** of Mendham, N.J., vice president and chief information officer of AlliedSignal Inc. Kittelberger is a 1970 computer science graduate.

■ **Harold J. Marcus** of Seattle, Wash., president of American Villages Inc. and Hal Marcus Inc. Marcus is a 1949 industrial engineering graduate.

■ **John C. McKeown** of Fredericksburg, Va., deputy head of aircraft systems engineering for U.S. Naval Air Systems Command. McKeown is a 1965 aerospace engineering graduate.

■ **Joseph J. Wisniewski** of Fairfax, Va., president of Wisniewski Blair and Associates Ltd. Wisniewski is a 1969 graduate of architectural engineering.

Partings

Assistant professor taught for 27 years

Leonard S. Kogut, assistant professor of chemistry at Penn State Beaver, retired after 27 years at the campus.

Kogut, a Pittsburgh resident, holds a doctorate in chemistry from the University of Pittsburgh and received his bachelor's degree in chemistry from LaSalle College. He taught a variety of chemistry courses and labs at Penn State Beaver and held several administrative positions.



LEONARD S. KOGUT

From 1987 to 1989, Kogut served as acting director of academic affairs. He also served as evening and summer division administrator from 1989 to 1992. He was a member of the University Faculty Senate since 1990, and the University Faculty Senate Council since 1995. He was the co-chair of the Commonwealth Educational System Caucus since 1995. Kogut published several articles and made numerous professional presentations on such topics as using crib sheets in chemistry; cooperative learning groups in chemistry education; Total Quality Management; critical thinking in chemistry; and a variety of ways to improve general/chemistry education.

Kogut is a member of the American Chemical Society and the Faculty Development Resource Association: Professional and Organizational Development Network in Higher Education.

Staff assistant ready to enjoy her retirement

After working for 37-plus years at Penn State, Miriam E. Johnson, a staff assistant in the Department of Geosciences in the College of Earth and Mineral Sciences, is ready for a slower pace.

A graduate of State College Area High School, Johnson began working at the University in April 1961 in the Department of Agronomy in the College of Agricultural Sciences. From there, she moved to geosciences in 1972 and worked there until her retirement in March 1998.

Johnson, a native of Lock Haven, has been married for 39 years to Royce. They have four children—one who graduated from Penn College in 1993 and a daughter who graduated from Penn State in 1994. The Johnsons live in the Julian area.

In her retirement, Johnson plans to continue her hobbies of reading and playing piano. She hopes to add two new hobbies, gardening and crocheting, to her repertoire.



MIRIAM E. JOHNSON

Associate dean retires after more than 30 years of service

George J. McMurtry, associate dean emeritus for administration and planning and professor emeritus of electrical engineering, retired March 31, after more than 30 years at Penn State.

McMurtry has served the College of Engineering as associate dean for 18 years, working under five deans, starting in 1980. He also served as acting dean of engineering in 1987-88. His first responsibility as associate dean in 1980 was for engineering instruction. Since 1984, he has been dean for administration and planning which includes budget and finance, human resources, space and facilities, computing and strategic planning.

From 1979-80 he served as chair of the University Faculty Senate.

McMurtry was honored with the University-wide Barash Award in 1984 for his longtime service to the State College community. He spent 19 years coaching local baseball teams from the pee-wee level through the American Legion league. He also served



GEORGE J. MCMURTRY

on the State College Area School Board for 18 years, six of them as president. For the last two years, he has been a member of one of United Way's allocation teams.

McMurtry initially held a joint appointment in electrical engineering and the Ordnance Research Laboratory (now the Applied Research Laboratory), where his research focused on adaptive control systems, optimization and pattern recognition applications to underwater acoustic signals. He joined the electrical engineering department full time in 1969, and was co-director of the Office for Remote

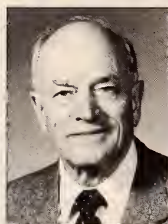
Sensing of Earth Resources from 1970-80.

McMurtry received his B.S. from the U.S. Naval Academy, served four years in the Navy before entering graduate school, and retired from the Naval Reserve with the rank of commander. He earned a master's degree from Notre Dame and a doctorate from Purdue University, both in electrical engineering. He worked as a project engineer in General Electric's Electronics Laboratory for several years before coming to Penn State in 1967.

Professor emeritus served for 32 years

Douglas H. Sampson, professor emeritus of astronomy and astrophysics, has retired from the Eberly College of Science after 32 years of service. After serving in the United States Army and working as a farmer, he earned a bachelor's degree in physics and mathematics at Concordia College in 1951 and master's and doctoral degrees in physics from Yale University in 1953 and 1956. He then was a staff member of the Theoretical Division of the Los Alamos National Laboratory until 1961, when he joined the Valley Forge Space Center of the General Electric Co., where he became group leader of atomic and radiation physics. He joined the faculty of Penn State in 1965 as an associate professor, becoming a full professor in 1969.

Sampson is a theorist whose principal research involves calculating the rates for atomic processes in very high temperature gases, or plasmas, that commonly occur in astrophysics, fusion-energy research and X-ray lasers. Sampson developed and applied a theory for rapidly and accurately calculating the atomic data, which now is in use at the



DOUGLAS H. SAMPSON

Lawrence Livermore National Laboratory and the Naval Research Laboratory.

Sampson has been an active graduate and undergraduate teacher and also has developed upper-level courses in astrophysics. He mentored several graduate students and served as chairman or a member of many departmental and college committees. Sampson has authored or co-authored more than 100 research papers in refereed journals.

He is the author of a book, *Raditive Contributions to Energy and Momentum Transport in a Gas*, published by Wiley-Interscience. Sampson is a Fellow of the American Physical Society, and a member of the American Astronomical Society and the International Astronomical Union.

Sampson said he and his wife, Carlyn (Lyn), plan to spend more time with their four children and seven grandchildren. He expects to continue his research while pursuing his hobbies, which include the study of American history and the history of Western civilization.

Five earn emeritus rank for longstanding service

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service:

Reinhard Graetz, associate professor of physics in the Eberly College of Science, from Sept. 1, 1965, to Feb. 15.

J. Dean Jansma, professor of agricultural economics in the College of Agricultural Sciences, from July 1, 1964, to Feb. 5.

Anthony Kales, professor and chairman of psychiatry in the College of Medicine, from March 1, 1971, to Jan. 1.

B. Alan Snider, professor of agricultural and extension education/assistant director in the College of Agricultural Sciences, from July 1, 1985, to Jan. 1.

Peter A. Thrower, professor emeritus of materials science and engineering in the College of Earth and Mineral Sciences, from Oct. 1, 1969, to June 30.

Research

Reduced access lowers abortion rates

By PAUL A. BLAUM
Public Information

Restrictive state policies and the lack of medical providers have effectively decreased the rate of abortions in the United States.

"Abortion rates are generally higher along the West and East coasts, where states tend to place fewer conditions on an abortion and offer an abundance of providers compared to less populated regions," said Stephen A. Matthews, research associate with the Population Research Institute and adjunct assistant professor of geography.

"The most common restrictions on abortion are Medicaid funding limits, 24-hour waiting periods, mandatory counseling and parental consent requirements for minors," Matthews said. "From a pragmatic standpoint, these restrictions have made a difference in abortion rates. Calculations indicate that decreased access, due largely to restrictions, accounted for 24 percent to 30 percent of the 5 percent decline in abortion rates between 1988 and 1992."

"Conversely, birthrates go up where the costs of contraception are higher due to reduced access to providers of contraceptive methods and advice such as obstetrician-gynecologists and family planning services," said Mark O.



Stephen A. Matthews, research associate with the Population Research Institute, left, Mark O. Wilhelm, assistant professor of economics, and David Ribar, assistant professor of economics at George Washington University, found that abortion rates were higher in states that place fewer restrictions on the procedure.



Wilhelm, assistant professor of economics.

Matthews, Wilhelm and David Ribar, assistant professor of economics at George Washington University, collaborated on the research. Ribar is a research affiliate of the Population Research Institute and a former assistant professor of economics at Penn State.

For the period 1988-92, the Alan Guttmacher Institute documented substantial declines in both the incidence and availability of abortions in the United States. Nationwide the abortion rate fell by 5 percent, from 27.3 abortions per 1,000 women to 25.9 per 1,000. At the same time, the proportion of women living in counties with an abortion provider fell from 71 percent to 69 percent, and the number of providers per 100,000 women fell from 4.4 to 4.

"In 1973, the year of

Roe vs. Wade, 15 counties in Pennsylvania had abortion providers. By 1977, this number had risen to 32 counties, but by the early 1990s it was back down to 16," Matthews said.

A 1992 institute paper reported that, during the late 1980s, 83 percent of U.S. counties and 20 percent of urban areas had no licensed physicians or service providers who dealt with abortion cases. As a result, in the U.S. Mid-Atlantic region, 18 percent of the women seeking information about an abortion had to drive between 50 and 100 miles. Another 9 percent drove 100 miles or more, Matthews said.

"Our results make clear that policies that either expressly or indirectly reduce women's access to abortion services decrease their use of the procedure," said Wilhelm.



"The Supreme Court has generally held regulations to be invalid if they place substantial obstacles in the path of a woman desiring or considering an abortion," he said. "The contentious issue of whether policies go too far in restricting access is being resolved by the court under its standard of 'undue burden.'"

"While the court has applied its test one restriction at a time, our findings suggest that the 'undue burden' standard should be broadened to consider availability of abortion providers in certain geographical regions," said Matthews.

The study uses 1978-88 data combined from more than a dozen sources including the Alan Guttmacher Institute, Current Population Survey and the U.S. Bureau of the Census.

covered her long-lost diary in an uncatalogued box. In that diary, she soon found evidence of Moody Emerson's role as a primary source of Ralph Waldo Emerson's *Transcendentalism*.

Previous scholarship largely credits Boston Unitarianism and English Romanticism as his likely inspiration, but Cole found that Moody Emerson actually introduced her nephew to both of those traditions.

Teachers should do homework before taking job

By PAUL A. BLAUM
Public Information

New teachers might take a few lessons from the cartoon "Dilbert," which deals with the diverse idiosyncrasies of everyday corporate culture.

"Beginning teachers are usually alerted to the challenges of urban/rural and ethnic/racial differences, but they are seldom aware that schools also differ in terms of organizational culture," said J. Dan Marshall, associate professor of education.

The culture of a school can be described as a collective personality created by administrators, staff, teachers and students at a given point in history. This culture, including its various subcultures, helps determine the way people think, feel and act within the school.

"New teachers have to develop a sense for both the collective personality and its unwritten codes," Marshall said. "The best way for them to do that is visit schools that they are considering. During that time, they should talk to administrators, teachers, staff, even students; sit in on classes in their field; definitely spend time in the teacher's lounge; eat in the cafeteria; and observe the overall mood of the school."

"In some ways, school culture has remained constant for a century," he said. "Teachers must still maintain control of their classrooms. Bells still ring telling people when they're late or when it's time to leave. But beyond these basic parameters, the atmosphere of a school can vary widely."

For new teachers, the issue is not which school is better but which might accommodate the sort of professional they hope to be. A teacher who prefers a more democratic classroom will be alienated — and ineffective — in a school that strikes him or her as a military base in disguise. The reverse also is true, Marshall said.

"New teachers have to think about where they would do the best job," Marshall said. "The worst scenario for a new teacher would be to take a position at a school, then after three months say to himself or herself, 'I don't belong here. The end result would be an unhappy and less-than-successful teacher.'"

Emerson's aunt played crucial role in his writing

Ralph Waldo Emerson, none of the fathers of American literature, freely borrowed words and ideas from the aunt who raised him, and used them as his own, a professor reveals in a new book.

In *Mary Moody Emerson and the Origins of Transcendentalism*, author Phyllis Cole brings Emerson's oft-described "eccentric aunt" to the center of American literature and demonstrates the crucial role

she played in her nephew's intellectual thinking and published writings. The book, which consumed Cole's energies for 17 years, has been heralded by scholars nationwide.

"Mary has largely been dismissed by generations of Emerson scholars as little more than the beloved but quirky aunt of Ralph Waldo," said Cole, an associate professor of English at Penn State Delaware County. "But my research shows she is far more than

that. And though Ralph Waldo Emerson struggled throughout his life to say what his aunt meant to him — she was always on his mind — he only told half the story. The truth is that he copied her letters and diary into his own journal, and used them later as a source for his published writing."

Cole researched the book at Harvard University, where Mary Moody Emerson's letters to her nephew are kept, and dis-



Let's go fly a kite

Julia Schucker, a junior from Allentown, took advantage of a light wind and a sunny day on the University Park campus to fly a kite in a field near Park Avenue. The warm day was one of the first signs of spring on the campus.

Photo: Greg Grieco

Penn State to hold CIC seminar

Penn State will play host to a series of well-known speakers and guests who will take a closer look at "The University of the Future: Motivating Change," during a three-day Academic Leadership Program sponsored by the CIC, the Committee on Institutional Cooperation. The CIC is the academic arm of the Big Ten, plus the University of Chicago.

On April 16 through 18, The Nittany Lion Inn on the University Park campus will be the site of the third and final seminar that is part of this leadership initiative. The other two seminars dealt with leadership and human resources, and long-range planning and budgeting. Because academic administrators at CIC institutions have dual roles, that of educational leader and as manager of a large complex organization, there are many challenging situations that require creative, workable solutions. Through the Academic Leadership Program, administrators and faculty leaders who have been identified as CIC Fellows can gain insight from others in similar situations and develop the leadership and management skills necessary to overcome obstacles.

In the upcoming seminar, the keynote address which has the same title as the event will be given by John V. Byrne, executive director, Kellogg Commission, National Association of State Universities and Land-Grant Colleges. Some other topics to be covered in the three-day event are:

— A panel discussion including Nancy Eaton, dean of the Libraries, and Sanford Thatcher, director of the Penn State Press, on "The Future of Scholarly Communication and its Implications for Tenure and Promotion Decisions;"

— A talk by Richard P. Chait, professor at Harvard's Graduate School of Education, on "The Role of Faculty and the Nature of Academic Appointments in the Future University;"

— A lecture by Mary Burgan, general secretary of the American Association of University Professors, on "The Now and Future Role of Tenure;"

— A discussion with David K. Scott, chancellor of the University of Massachusetts/Amherst, on "Faculty Roles in the Future University;"

— An address by President Graham B. Spanier on "The University of the Future: Challenges and Opportunities;"

— "The Legal Landscape as Higher Education Enters the Future," by C. Kristina Gonsals, associate provost at the University of Illinois at Urbana-Champaign, and Robert E. Rains, professor at The Dickinson School of Law; and

During the seminar, about 60 Fellows from CIC institutions and other academic leaders will descend on Penn State to address pressing issues of the future. Penn State currently has five members listed as Fellows in the CIC's Academic Leadership Program. They include: Michael J. Dooris, director of planning research and assessment, Center for Quality and Planning; Sarah G. Wayman Kalin, University Libraries; R. Scott Kretschmar, professor of kinesiology; Susan B. Shuman, Administrative Fellow in the Office of the President and senior research project manager, Continuing and Distance Education; and John W. Tippecanoe III, director of the American Indian Leadership Program and professor of education.

For more information about the seminar, call Robert Secor at (814) 863-7494.

New assistant vice president for student affairs being sought

A search committee has been formed by William W. Asbury, vice president for student affairs, to help identify a new assistant vice president for student affairs at University Park. The position became vacant with the departure of J. Thomas Eakin, who left to become vice president for student affairs at Bryant University in Rhode Island.

Edwin L. Herr, distinguished professor of education in the College of Education, will chair the committee. Others on the committee include Jill Bush, graduate student; Jaime Desmond, undergraduate student; Cecelia Eastman, staff assistant, Residence Life; Don M. Hahn, Novak, Stover & Furst; Charlene Harrison,

director, Adult Learner Services; Sharlene Marbury, assistant director, Paul Robeson Cultural Center; Jean Landa Pytel, assistant dean, student services, College of Engineering; James Solava, undergraduate student; Margaret Spear, director, University Health Services; Blaine Steensland, director of student affairs at Penn State Berks;

James Stewart, vice provost for educational equity.

Following a national search, the committee's first duty is to prepare a list of candidates for preliminary interviews to take place in May. Based on those interviews, top candidates will be interviewed by June. The target date for the position to be filled is Aug. 1.

Vanpooler

Vanpoolers (4) wanted from Philipsburg area to University Park. Work hours are Monday through Friday, 7:30 a.m.-4:30 p.m. Call Stacie at (814) 865-3448 or (814) 342-7511.

PENNSTATE INTERCOM

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<http://www.psu.edu/ur/INTERCOM>.



INTERCOM

April 9, 1998

Intercom ONLINE at <http://www.psu.edu/ur/INTERCOM/>

Volume 27, Number 27

Faculty and Staff Campaign begins

The annual Faculty and Staff Campaign kicks off today, inviting Penn State employees to consider making a gift to the University college, campus or program of their choice.

This year's campaign theme, "You Are The Key," emphasizes that each employee's gift, regardless of the amount, makes a difference for the Penn State community.

"No matter what individual role we play in the operation of the University, it is our combined effort that makes Penn State great," said campaign chair R. Scott Kretchmar, professor of exercise and sport science. "The same is true for this campaign. By giving what we can, together we provide important resources that will strengthen every point of our University even further."

Last year, employees gave nearly \$1.5 million to bolster a wide variety of University programs including college and campus initiatives, the University Libraries, arts organizations, environmental education, intercollegiate athletics and public broadcasting. Such giving from within the University community sets a strong example for other individuals, foundations and corporations being asked to support Penn State, Kretchmar said.

Two options are available for employees wishing to participate in the Faculty and Staff Campaign. Employees may make an immediate gift, or sign up for the convenience of payroll deductions by filling out the form they will soon receive at their campus address and returning it in the envelope provided by May 15. They may direct their gift to any area within the University—including specific campuses, colleges, departments, scholarships, endowments, equipment funds, building campaigns and elsewhere, or leave the gift undesignated for use by the University wherever the need is greatest.

For more information, call Peggy Marsh at (814) 863-2052 or e-mail mon2@psu.edu. At locations other than University Park, contact the director of development.

Dream becomes new student information outlet

The Forum, a weekly, student-run online news source, is thriving



By CATE STARKS
Special to Intercom

Many strange ideas have undoubtedly crossed the minds of students walking the halls of Willard and Carnegie buildings on the University Park campus—and a few have even come to fruition. For Josh Jordan, a junior majoring in journalism, his brainstorm would become a reality through determination, luck and a lot of hard work.

In December 1996, on the last day of his "Introduction to Newswriting" class, Jordan approached several classmates with the idea of starting a new online newspaper. A band of visionaries was formed, and *The Forum*, found at <http://www.personal.psu.edu/dj122/>, was conceived.

The students envisioned *The Forum* as a weekly community

On deadline

Josh Jordan puts together *The Forum*, a new online student newspaper, in the computer lab in Carnegie Building on the University Park campus. The paper can be found on the Web at <http://www.personal.psu.edu/dj122/>.

Photo: Greg Grieco

See "Online" on page 2

Report recommends changes within research support services

By BARBARA HALE
Public Information

Changes in government and industry funding priorities, new technologies for research administration and the growing role of technology transfer have significantly altered the academic research environment compared to even a few years ago.

To respond to these changes and position Penn State to take strategic

advantage of the opportunities these changes represent, Rodney A. Erickson, vice president for research, appointed a task force in February 1997 to "make recommendations on ways to improve the University's support of the research enterprise."

The Task Force on Research Administration and Technology Transfer met biweekly over the past year gathering information, benchmarking and finding consensus.

Their recommendations were detailed in a report published in late January.

The recommendations call for increasing input from and responsiveness to faculty researchers; restructuring the Office of the Vice President for Research; and enhancing the systems that are currently in place for electronic research adminis-

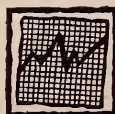
See "Changes" on page 3

Inside



Construction update

Major changes are on the way for the Hetzel Union Building on the University Park campus. To find out more, please see page 14.



Focus on Research

Health plan report cards don't always measure the same factors, which may cause confusion for consumers. For details, please see page 15.

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Online

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paper for Penn State, showcasing the work and talents of students while filling the news holes left open by *The Daily Collegian* and other University publications. The site's features include coverage of community events, a campus events calendar, an intramural sports scores and highlights update, showcases of student-produced photos and graphics, an archive of past issues, and a link to the Penn State Newswire, the Department of Public Information's daily electronic news send.

Although the small staff only produced three issues last spring, Jordan said it was a necessary period of construction used to build the Web site and develop a sense of its audience and focus. According to Jordan, most of the staff members did not have the computer skills to build and update a Web site. The process of laying out an issue had to be simplified.

This fall, *The Forum* was able to publish 13 issues with Associate Professor Jack Lauterer's "Community Journalism" class providing much of the content and design critiques offered by students in the "Online Media" class taught by Ford Risley, assistant professor of journalism.

Lauterer is currently designing an academic component focusing on *The Forum* to formally incorporate it into his class next year.

"This is more than a flash in the pan," he said. "We are working on ways to make *The Forum* live. It's a valuable learning experience."

Overseeing the site allows students to understand the learning process of ethical decision-making and the paper's effects on the community. *The Forum* not only serves as another outlet for students to exhibit their work and develop their professionalism, but also as a laboratory, according to Risley, which allows them to learn about a new medium being used more and more by all forms of mass media.



Online

The *Forum* published 13 weekly issues last fall, and posts a new issue each Wednesday.

While some may be more impressed with the technological advances of the paper, the staff believes an emphasis on the community is crucial to the site's success.

"It is our goal to make our fellow students more 'real' to each other, to provide a sense of place,"

said Michael Duffy, a senior and news/content editor of *The Forum*. "This is our understanding of community."

"It's the difference between covering Penn State football versus intramural sports," said Jordan, who believes that displaying photographs from photo-journalism classes is as newsworthy as any story published in the local paper. "Although national stories are out of our scope of coverage, it is still necessary to provide links to the information for our readers."

For example, during Princess Diana's funeral, *The Forum* provided a link to *USA Today*, and, on the local level, provided links to the *Centre Daily Times* during the fall election season. Jordan also notes it's necessary, in upholding the ideals of community journalism, for Penn State students to be the reporters, photographers and designers for the newspaper.

With 13 issues completed last semester and several under their belts this semester, one would think *The Forum* staff would be content with their progress. But according to Jordan and Andy LaRue, a junior and co-managing editor, the paper has not reached its full potential. LaRue would like *The Forum* to be read by as many people as *The Collegian*.

Lauterer, who finds this experience to be the most exciting of his teaching career, said *The Forum* will be unrecognizable in five years. It may be a widely read "e-zine," a high-quality student showcase, a tool with links for all majors in the College of Communications or a display of faculty contributions in their research areas. As *The Forum* continues to explore cyberspace, Lauterer foresees "a constellation of possibilities."

■ Faculty Senate

Associate dean seeks major publishing reform

By ALAN JANESCH
Public Information

U.S. college and university faculty members need to find new ways of evaluating and publishing faculty research if academic presses and libraries — particularly at large research universities like Penn State — are to survive and thrive.

That was the primary recommendation from four speakers at the March 31 University Faculty Senate meeting, who outlined economic and other significant changes affecting faculty, libraries and university presses.

"We need major reform," said Gloria St. Clair, associate dean and head of information access services at the University Libraries. The presentations were in part a response to related issues raised at the previous Faculty Senate meeting on Feb. 3, at which President Graham B. Spanier spoke about spiraling subscription rates for academic journals and suggested that colleges and universities would have to change their cultures to remedy the problem (*Intercom*, Feb. 12).

Among the causes of the current crisis are:

- skyrocketing subscription rates for academic journals, especially in science, technology, medicine, law and business;

- the acquisition of U.S. publishing firms by publishing companies overseas;

- the need for universities and libraries to invest in information technology and electronic publications, which can be costly; at the same time costs for print publications continue to rise;

- anticipated restrictions in the kinds of electronic information libraries will be able to share; and

- increasing pressures on university presses to sell more books when both its hardcover and softcover markets are declining.

St. Clair said that the evaluation or "referencing" of scholarly work by other faculty members should be handled separately from print publication, and that some work can be

certified and posted on World Wide Web sites. She also suggested that submission fees, paid by granting agencies or institutions, might be an alternative to increasing journal prices, and that university libraries should archive electronic publications.

Other speakers on the issue were Nancy Eaton, dean of University Libraries, Sanford G. Thatcher, director of the Penn State Press, and Mark Munn, assistant professor of history. Spanier also told the Senate that:

- The state Legislature is moving "on a very fast track" on the budget and is expected to adopt a final budget by the end of April. Penn State will probably receive a state allocation of \$299.1 million, the amount recommended by Gov. Tom Ridge, and the University is "working very hard to see if we can get a slight increase beyond that."

- Penn State has about 4,000 more applications from prospective students now than it had a year ago. "Even though we have sent out about 1,000 fewer acceptance notices than

last year for University Park admission, the phenomenally high yield will result in similar overall enrollments at University Park and record-breaking attendance University-wide in the fall."

- The University is expected to conclude its 1997-98 year with about \$220 million in private gifts and commitments — "far and away a record at Penn State."

In other business, the Senate:

- established the new position of University ombudsman, who will function as a coordinator/facilitator and clearinghouse of information for the University's 33 other ombudsmen, who work to help faculty members resolve differences informally; and

- postponed until its next meeting consideration of four recommendations intended to help academic units further improve the ways they develop and evaluate good teaching.

The Senate's next meeting will be held at 1:30 p.m. April 28 in Room 112 Kern Building on the University Park campus.

Highlight on Undergraduate Education

Software gets aerospace students flying high

Undergraduate students in aerodynamics get to wing it more often, thanks to a new software program developed by a Penn State aerospace engineering graduate student.

Daniel P. Baker of Collegeville, Pa. combined his engineering and computer skills to make wing design fun. He developed the software program as part of his honors thesis, while an undergraduate in the University's Scholars Program. Baker is currently pursuing his master's degree in aerospace engineering.

Under the guidance of his adviser George Dulikravich, associate professor of aerospace engineering, and with funding from a NASA Langley graduate research fellowship, Baker improved existing design software and gave students the opportunity to design their own wings.

The program, Aerodynamic Inverse Design 2D (AID2D), is an extension of a software package originally developed by Norman Foster, a 1995 Penn State graduate in aerospace engineering. The IBM-compatible software allows on-screen, mouse-driven, drag-and-drop design.

Currently, students are using AID2D to design airfoil models: two-dimensional representations of wings, in aerospace, mechanical engineering, engineering science and mechanics classes.

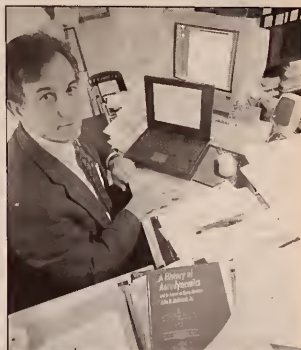
"A typical aerodynamics problem asks the students to design an airfoil model with the desired surface pressure distribution, given a particular set of flight conditions," Baker said.

Before the software was developed, student designers weren't able to manipulate the data during the design, or see

the design. They had to trust that the numerical answer would produce the correct design. The surface pressure on wings is found from a given airfoil shape—but it isn't easy to find the shape that produces the desired surface pressure distribution.

Baker solved these problems. Now students can draw airfoil shapes using the mouse and they can modify the design by clicking on and dragging the drawing. The computer program uses high-speed mathematical calculations to determine the amount of surface pressure acting on the wing and to modify the wing shape while information is displayed on the screen.

Dulikravich and Baker hope to see applications of the AID2D program, not only for airplane design, but also for advances in military and space aircraft.



Good guidance

George Dulikravich, associate professor of aerospace engineering, is adviser to engineering graduate student Daniel P. Baker, who created the software now in use.

Photo: Greg Grieco

Changes

continued from page 1

tration. Electronic research administration refers to the filing of proposals, queries, updates and other communication with funding agencies via computer and other means.

"Some changes in the research infrastructure already have been implemented, others will be in place by this fall and still others will take more time to implement including a full complement of electronic research administration systems," Erickson said. "With electronic research administration, for example, there are new developments occurring all the time. So, we expect to make further changes as the technology evolves and resources become available."

Already under way is the reorganization and enhancement of the Office of Sponsored Programs to cope with the increase in activity, regulations and government-mandated procedures. Nearly all of last year's Office of the Vice President for Research permanent budget enhancement funds were allotted to improving sponsored research services, including funding two positions in electronic research administration and one in contract negotiations. Temporary budget enhancement funding was allocated to the purchase of digital records imaging technology, which will make the Office of Sponsored Programs systems compatible with the Office of Research Contract Accounting and other units. The sponsored programs director now reports directly to the vice president for research.

Restructuring of Intercollege Research Program units has been occurring for the past several months. The Applied Research Laboratory now reports directly to Erickson. Units that have lost their external funding base have been or are being phased out to better maintain the resource bases of the more successful programs. The Center for the Study of Higher Education has been transferred to the College of Education, where it will have greater opportunities to integrate with the strategic research thrusts

"Some changes in the research infrastructure already have been implemented, others will be in place by this fall and still others will take more time to implement..."

Rodney A. Erickson
vice president for research

of the college. The Office of the Vice President for Research continues to be closely involved with the interdisciplinary initiatives of the Life Sciences Consortium and the Materials Research Institute.

Directors of research administration and technology transfer units met in February to discuss and plan implementation of additional task force recommendations. Highlights of other recommendations include:

RESEARCH ADMINISTRATION

- Pursue a total electronic research administration system.
- Co-locate and merge the operations of research accounting and sponsored programs while maintaining appropriate "checks and balances."
- Enhance faculty post-award services and establish a user-friendly desktop research account monitoring system.
- Establish a Research Administration Advisory Council that includes faculty investigators.

MULTI/CROSS/INTERDISCIPLINARY RESEARCH

- Establish a "Strategic Research Initiatives

Office" to identify and respond to multi-investigator, multi-unit proposal opportunities and tie this new office's funding to the external support it helps generate.

INDIRECT COST-RECOVERY POLICY

■ Establish an indirect cost-recovery strategy group to ensure that the university is accounting for and recovering the costs it expends in support of research; to develop methods to maximize return to faculty researchers, their originating units and the Office of the Vice President for Research.

■ Accompany an upward adjustment in the overall indirect cost rate with improvements in services to the faculty.

TECHNOLOGY TRANSFER

■ Consider forming a Commercial Development Office within the Penn State Research Foundation and fully integrating the foundation in technology transfer activities.

■ Establish an ongoing advisory board, including faculty, industry and government representatives, and appoint a special committee to review licensing policies and consider a broader portfolio of strategies to further technology transfer.

ORGANIZATIONAL STRUCTURE

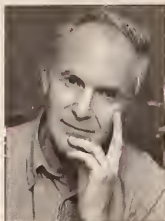
■ Establish a University Research Council, consisting of associate deans for research and intercollege research programs and consortia directors, to replace the current Administrative Committee on Research.

■ Identify assistant vice presidents to head a research administration unit and a technology transfer unit and an associate vice president for research to develop the Strategic Initiatives Office and foster interdisciplinary research.

LECTURES

Nobel Laureate will deliver Marker Lectures

Sir Harold W. Kroto, professor of chemistry, physics and environmental science at the University of Sussex in England and a Nobel Laureate, will present Marker Lectures in the Chemical Sciences on April 9 and 10, at the University Park campus. The theme of the free public lectures is "Chemistry: The Architecture of the Microcosmos."



HAROLD W. KROTO

The lectures are: "C60 Buckminsterfullerene: Not Just a Pretty Molecule" at 4 p.m. Thursday, April 9, in S-5 Osmond Laboratory; and "The New Round World of Carbon Chemistry and Material Science" at 12:15 p.m. Friday, April 10, in the Assembly Hall of Hetzel Union Building.

Kroto was a winner of the Nobel Prize in Chemistry in 1996 (<http://pchem1.rice.edu/Nobel.html>) for his discovery in 1985 of the Buckminsterfullerene molecule. The soccer-ball-shaped molecule, nicknamed

"Buckyball," is among the three major known forms of pure carbon, along with graphite and diamond. Subsequent research has revealed a whole family of spherical carbon-based molecules known as fullerenes and has spawned an entirely new branch of chemistry.

Kroto received his bachelor's degree at the University of Sheffield in England in 1961 and his doctoral degree in 1964. He has been honored with numerous awards and was awarded both British knighthood and the Nobel Prize in Chemistry in 1996.

The Marker Lectures were established in 1984 through a gift from the late Russell Marker, professor emeritus of organic chemistry at Penn State, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

Gene regulation expert to give Stone Memorial Lecture

Alexander Johnson, professor of microbiology and immunology and professor of biochemistry and biophysics at the University of California at San Francisco, will present the 1998 Stone Memorial Lecture at 4 p.m. Monday, April 13, in 110 Wartik Laboratory on the University Park campus.

The lecture, "Sexual Orientation, Repression, and Arresting Make-Overs in the Microbial World," is free to the public.

Johnson researches the regulation of gene expression, especially how genes are turned off in response to environmental signals and internal cellular processes (<http://www.sncs.ucsf.edu/home/JohnsonLab/>).

Johnson is involved in many

aspects of science education, teaching basic molecular biology to medical, dental and pharmacy students and more advanced topics to graduate students. He is co-author of the college textbook, *Essential Cell Biology: An Introduction to the Molecular Biology of the Cell*, published this year.

Johnson earned his doctoral degree in molecular biology at Harvard University, and has received several awards.

The Stone Memorial Lecture honors Robert W. Stone, head for 23 years of the former Department of Microbiology, which merged with the biophysics and biochemistry departments in 1979 to form the present Department of Biochemistry and Molecular Biology.

Working with elite women athletes is topic of kinesiology's Harris lecture

Gloria Balague, clinical assistant professor at the University of Illinois at Chicago, will speak on "Working with Elite Women Athletes: The Case of Rhythmic Gymnastics" from 4:15 to 5:30 p.m. Thursday, April 16, in 123 Chambers Building on the University Park campus. The talk is part of the Department of Kinesiology's Dorothy V. Harris Lecture Series in Sport Psychology.

Balague was born and reared in Barcelona, Spain. She earned a degree in psychology from the University of Barcelona in 1973, and obtained her Ph.D. in clinical and social psychology at the University of Illinois at Chicago in 1986.

She has worked with the sport sciences team of USA Track & Field and in 1989 accompanied the Junior National Team to the Junior Pan Am

Seminar examines U.S., Australia roles in Vietnam

Peter Edwards, director of the Australian Centre for American Studies in Sydney, Australia, will hold a public seminar on "Australia and the U.S. in the Vietnam Conflict: Point and Counterpoint" at 12:30 p.m. Tuesday, April 14, in 124 Sparks Building on the University Park campus.

Edwards is a distinguished Australian diplomatic historian. He holds an undergraduate degree from the University of Western Australia, a doctorate from Oxford University and a Harkness Fellowship in the United States. He has been a prolific scholar. His most recent major publication is *A Nation at War: Australian Politics, Society and Diplomacy during the Vietnam War*, on which this free seminar draws. For more information, call Patricia Corbett at (814) 863-1603 or e-mail pac9@psu.edu.

Poet is final speaker in Diverse Voices series

Mark Doty, author of four books of poetry, including *My Alexandria*, which won the National Book Critics' Circle Award, is the final speaker for Diverse Voices: A Multicultural Reading Series in the College of the Liberal Arts. Doty will speak at 7:30 p.m. Tuesday, April 14, in 305 HUB on the University Park campus.

Doty's works have won several awards, including Britain's T.S. Eliot Prize for poetry. His poems have appeared in several magazines, and he has received numerous fellowships. Doty has taught at Brandeis, Columbia, Sarah Lawrence and the University of Iowa Writers Workshop. He is currently a professor at the University of Utah.

April 16 lecture to focus on tax law issues

Stephen R. Leimberg, author and expert on estate and financial planning, CEO of Leimberg and LeClair Inc. and president of Leimberg Associates Inc. of Bryn Mawr, will deliver the Edward N. Polisher Tax Lecture at The Dickinson School of Law on April 16. Leimberg will speak about "Creative Uses of Life Insurance in Charitable Giving" at 8 p.m. in 145 Trickett Hall, 150 S. College St. The lecture is free to the public.

The lecture was established by Edward N. Polisher, a Philadelphia practitioner and member of the law school's class of 1922.

Leimberg heads an estate and financial planning software company and a publishing and software company. He also is an adjunct professor in the masters of taxation program of Temple University School of Law. A nationally known speaker and author of more than 40 books, Leimberg is the creator and principal author of the four-book *Tools and Techniques* series. He recently co-authored *Tax Planning With Life Insurance and The New Book of Trusts—Post '97 Tax Law*.

Erie talk deals with stories of Holocaust victims

Andrés Nader, doctoral candidate in German studies, will present "Poetry and Trauma: Writings from the Nazi Concentration Camps" at 7 p.m. Thursday, April 16, in the Reed Union Building Lecture Hall at Penn State Erie. His presentation is free to the public.

Nader, a member of the International Study Group on Trauma, Violence and Genocide, will offer a reading and discussion of poems written by inmates in the camps of Buchenwald, Dachau and Theresienstadt. These previously untranslated poems offer insight into the daily experience of the victims of the Holocaust.

For more information, call (814) 898-6180.

Thursday Night Madness continues

The Department of Architecture will present guest lecturer Lily Chi, assistant professor of architecture at Cornell University, at 8 p.m. Thursday, April 16, in 22 Deice Building on the University Park campus.

Chi's lecture, "Characterizing Space," examines a brief episode in 18th century architectural thought: the idea of dramatic character elaborated by Germain Boffrand and Jacques-François Blondel for architecture and architectural inhabitants. The idea will be explored for its role in the development of a modern theory of architectural expression, and for what it might offer in the design studio today.

Chi earned her Ph.D. from McGill University in Canada. A winner of numerous awards, Chi has taught at Rensselaer, Carleton, McGill and S.U.N.Y. Buffalo.

The Thursday Night Madness series is a weekly assembly where architecture professionals, academics and related individuals present lectures, critiques, films, discussions and reviews to students, faculty, staff and interested lay people. The lecture is free to the public.

competition in Argentina. Her involvement with USA Track & Field has continued since. She accompanied the team to the 1992 Olympic games, the 1995 World Indoors and the Pan American games.

In 1993 she started working with the Rhythmic Gymnastics National Group team and followed them until the Atlanta games in 1996.

More Lectures

Berkeley professor is colloquium speaker

Howard Schachman, professor of the Graduate School, Department of Molecular and Cell Biology, University of California, Berkeley, will speak on "Attempts at Relating *in vivo* Folding of Protein to the *in vitro* Process through the use of Circularly Permuted Polypeptide Chains" in the Life Sciences Consortium's Colloquium April 14.



HOWARD SCHACHMAN

The colloquium will be videoconferenced from 101 Thomas Building to Room L-3621 at The Hershey Medical Center and to several other campus locations at 4 p.m.

Schachman has been at Berkeley since obtaining his Ph.D. at Princeton University in 1948. During his tenure, he has received numerous awards. He was elected to the National Academy

of Sciences in 1968 and the American Academy of Arts and Sciences in 1966.

His activities in ethics, science and the law stemmed from his membership in 1990-1992 on a special committee of the National Academy of Sciences dealing with scientific responsibility and the conduct of research, a subject about which he has

written and spoken extensively.

Since 1994, he has been a special adviser to the director of the National Institutes of Health, visiting American research institutions with the aim of devising alternate funding strategies and improving the quality of peer review at National Institutes of Health.

Talk to examine relationship between physics and religion

Margaret Wertheim, author of *Pythagoras' Trousers: God, Physics and the Gender Wars*, will speak on her new book at 7 p.m. Thursday, April 16, in S209 Henderson Building on the University Park campus.



MARGARET WERTHEIM

Wertheim also will give the keynote address at the eighth annual Challenges & Achievements Conference for women in science and engineering, which will be held from 9 a.m.-3 p.m. Saturday, April 18, at the Café Laura and Keller Building at the campus.

This annual conference, organized by the Women in the Sciences and Engineering (WISE) Institute, is for women undergraduate and graduate students, faculty, staff, alumni and professionals to network and interact with peers, colleagues and role models

in science and engineering.

Pythagoras' Trousers is an original look at the intertwined relationship between physics and religion — and the implications this relationship holds for both sexes.

Wertheim is an Australian science writer, now living in Berkeley, Calif. She has written widely about science and society for

many publications. She also has written and directed science documentaries for television, including the internationally award-winning series "Catalyst, and Faith and Reason," a program about the interaction between science and religion today.

For more information on the lecture or the conference, call Katie Rung at (814) 865-3342 or e-mail cvg1@psu.edu.

Discuss "Academics in the New Millennium" at Harrisburg on April 22

Carolyn Dumaresq, executive director of the Pennsylvania State Education Association, will discuss "Academics in the New Millennium" at noon April 22 in the Gallery Lounge at Penn State Harrisburg.

The former superintendent of the Central

Dauphin School District, Dumaresq was named Community Woman of the Year in 1997 by the American Association of University Women and was keynote speaker at the 1995 National Jewish Women's League convention.

She is the former president of the Pennsylvania

Association of School Administrators and past president of the Pennsylvania Women's Caucus.

She holds graduate degrees from Villanova University and the University of Pennsylvania and a bachelor's degree from Hood College.

Children's Interagency Conference is April 21-24

The 12th Annual Children's Interagency Conference — the largest of its kind in Pennsylvania — will be held at University Park through Penn State Harrisburg's School of Behavioral Sciences and Education.

The conference at the Penn State Conference Center Hotel April 21-24 is under the direction of the Pennsylvania Child and Adolescent Service System Program (CAASP), part of Penn State Harrisburg and its Center for Community Action and Research. CAASP is the training arm for children's mental health services for the state's Office of Mental Health and Substance Abuse Services.

Working under a "Celebration of Families" theme, the conference will feature four general sessions and keynote presentations, 58 institutes and workshops, and a variety of activities designed to energize families, advocates, administrators and clinical staff who work with children and adolescents who have mental health needs. An estimated 700 people are expected to attend.

Keynote presentations will be from speakers well-known for their contributions to national mental health policy for children and families. They include: Gary De Carolis, chief, Child, Adolescent and Family Branch, Center for Mental Health Services, Rockville, Md.; Connie DelMuth, director, National Resource Center for Child Mental Health Services, Washington, D.C.; and Velva Spriggs, public health adviser, Center for Mental Health Services, Rockville, to name a few.

For more information, call Harriet Bicksler at (717) 232-3125.

Celebrate Earth Day at Penn State Harrisburg April 22

The 1998 Earth Day celebration at Penn State Harrisburg promises to be larger and more varied than its 1997 predecessor. Scheduled for 11 a.m. to 2 p.m. Wednesday, April 22, inside the Science and Technology Building and on Vartan Plaza, the Earth Day observance will feature everything from live entertainment to environmental displays to endangered species.

A committee of 18 faculty, staff and student volunteers have organized the second annual event on campus. A preliminary schedule of expected participants, displays and activities includes: videotape presentations of environmental issues; bicycle displays; a solar cooking demonstration; live entertainment; a seed, herb and plant exchange; seedlings from the Bureau of Forestry; information from the Canoe Club of Greater Harrisburg and the Chesapeake Bay Foundation; and more.

For more information, call James Malm at (717) 948-6272.

Trinidad and Tobago dignitary to visit Harrisburg

The Speaker of the House of Representatives of the Republic of Trinidad and Tobago will visit Penn State Harrisburg April 18 to 23.

Hector O.N. McLean, one of the most-respected and longest-serving public servants in his nation, will talk to faculty, staff and students on Wednesday, April 22. His lecture will focus on the "already positive relationship" between the U.S. and Trinidad and Tobago through further understanding of his nation's constitutional structure.

An attorney, McLean was elected speaker of his nation's House of Representatives in 1995, capping a public service career which has spanned four decades. He was twice elected to five-year terms in the House of Representatives in 1971 and 1976 while simultaneously serving as a cabinet minister. He has been minister of state, attorney general and minister of legal affairs, minister of national security, minister of labor and minister of public works.

In 1987, McLean was appointed deputy secretary general of the Commonwealth Parliamentary Association based in London, leaving that post when he was elected speaker of the House.

Conference on pedagogy at Hazleton April 23-24

The English division of the Commonwealth College will conduct its first annual Spring Conference on Pedagogy at Penn State Hazleton April 23-24.

The conference will convene at 3 p.m. Thursday, April 23, with meetings of the Commonwealth College composition, literature and English committees, followed by a semi-formal dinner. It will resume the next morning with a plenary session, "Great Moments in Teaching," and then a full schedule of breakout sessions covering a variety of topics.

The conference is scheduled to adjourn at 3:30 p.m. Friday, April 24. For more information, call Sandra Smith, lecturer in English at Penn State Hazleton, at (717) 450-3061 or e-mail sws3@psu.edu.

Private Giving

Gift creates first dean's chair for University

The first fully endowed Dean's Chair in Penn State's history will soon be a reality in the College of Health and Human Development as a result of a \$3 million gift from alumnus and hospitality industry executive Raymond E. Schultz and his wife, Erin, of Memphis, Tenn. Ray Schultz, a 1955 Penn State graduate, is chairman and CEO of Promus Hotel Corp., which operates more than 1,200 hotels under the Hampton Inn, Homewood Suites, Embassy Suites, Hampton Inn & Suites and Doubletree banners.

"This is a historic gift for Penn State and a wonderful pacesetter for our forthcoming capital campaign, which includes the establishment of a Dean's Chair in each of the University's academic colleges as one of its goals," said President Graham B. Spanier. "The Schultzes have already shown their commitment to Penn State by creating a faculty development fund and scholarships for our hospitality programs. This new act of generosity will further enhance the learning environment by supporting our current dean in the growing College of Health and Human Development, and by improving our ability to attract and retain other world-class scholars and administrators to the position in the future."

The opportunity to endow and name Dean's Chairs at the \$3-million level is new to the upcoming campaign, which will focus on increasing Penn State's endowment for academic positions and instruction.

Income from a Dean's Chair endowment will provide deans with flexible financial resources to move their colleges forward in ways not currently possible. According to Barbara Shannon, dean of the College of Health and Human Development, funding would be available to create new learning opportunities through the purchase of new equipment and other materials; extend curricular offerings; bolster junior faculty research; attract visiting professors and lecturers; and launch special student projects. Income from such endowments is not used for salary support for deans.

A native of Freeland, Pa., Ray Schultz worked for various hotels in the Poconos while a teen-ager, and later earned his degree in labor management relations from Penn State. Following duty with the U.S. Air Force, he joined IBM, for which he directed marketing to the food service and lodging industry and developed the first major computerized lodging reservation system.

He later served in various management capacities with Holiday Inns for 14 years before becoming the founding president of Hampton Inns, a part of Promus Hotel Corp. Promus recently merged with Doubletree Corp., making the combined company the third largest hotel company in the world. He was named a Penn State Alumni Fellow by the College of Health and Human Development in 1993, and earned the Distinguished Alumni Award, the University's highest award for an individual, in 1996.

Erin Schultz is a native of Greenwood, Miss., a graduate of Mississippi College and a former high school English teacher.

The Schultzes in 1994 endowed scholarships and a mentoring program for students from the Free-land area enrolled in the College of Health and Human Development. They also have supported the college's Student Professional Development Endowment and the Schultz Faculty Development Endowment in Hotel, Restaurant and Institutional Management. The school named Ray Schultz the Penn State Hotel and Restaurant Society Hospitality Executive of the Year in 1994. Hampton Inns has also supported the construction of the school's Mater Building.

Faculty/Staff Alerts

Swimming lessons

The McCoy Natatorium on the University Park campus will offer pre-competitive group swimming lessons for ages 5 and older April 13-17. All classes are held during evening hours and Saturday morning.

For more information call Jon Larson at (814) 863-3945.

Old Main open house

The Penn State Lion Ambassadors will give guided tours of Old Main on the University Park campus from 10 a.m. to 5 p.m. Wednesday, April 15. The tours include a trip to the Old Main Bell Tower. Refreshments will be provided.

Penn State Beaver open house

Penn State Beaver will hold a free admissions information session at 9 a.m. Saturday, April 18, in the Penn State Beaver Study Learning Center auditorium.

The program will provide detailed information about Penn State Beaver, the admissions process and the value of a Penn State education.

Guided tours of the campus and its two residence halls also are available upon request.

Those interested in attending the information session are asked to make a reservation by calling the Penn State Beaver Admissions Office at (724) 773-3800.

Model railroad club open house

The Penn State Model Railroad Club's spring open house will be held from 10 a.m. to 6 p.m. Saturday, April 18, and from 10 a.m. to 5 p.m. Sunday, April 19, in the Gallery Lounge of the Hetzel Union Building on the University Park campus. There also will be a display from 10 a.m. to 6 p.m. Saturday, April 25, in the TV lounge of the Step Student Center at Penn State Altoona.

The open house will feature the club's operating modular HO scale layout and various modeling supplies will be for sale. Door prizes will be awarded and there is no admission fee, although donations to defray the cost of the new modules will be accepted.

On the road again

It's not too late for new faculty to sign up for President Graham B. Spanier's annual Road Scholars bus tour. The tour, now in its third year, is intended for faculty hired at any of Penn State's locations in the past two years.

This year's tour runs Sunday, May 10, through Tuesday, May 12, and concentrates on the Northwest portion of Pennsylvania. The group will spend two nights at Penn State Erie, and will visit several area industries and points of inter-



Distinguished speaker

Elie Wiesel, Nobel Peace Prize winner and Holocaust survivor, spoke out against racism, communism and oppression before a capacity audience at Eisenhower Auditorium on Tuesday, March 31. Wiesel appeared as part of Penn State's Distinguished Speakers Series. Remaining speakers in the series include Hank Aaron, who will speak on Wednesday, April 22, at The Bryce Jordan Center; and John Singleton, who will speak on Thursday, April 30, in Schwab Auditorium.

Photo: Greg Grieco

est to gain a better understanding of how Penn State has impacted the region.

For more information or to sign up for the trip, call Connie Rogus at (814) 863-1740 or e-mail cmr1@cde.psu.edu.

■ Employee Benefits

Health Insurance Portability, Accountability Act explained

In 1996, Congress approved, and President Clinton signed into law, the Health Insurance Portability and Accountability Act (HIPAA). The law's main intent was to make health coverage more "portable" for employees when they change jobs and to increase health coverage availability to smaller businesses. HIPAA has caused Penn State to modify its approaches to benefits, especially in the matter of accessibility to medical benefits.

Since June 1997, HIPAA has required that the University issue a "Certificate of Group Health Plan Coverage" to employees when they end their employment, and to employees and/or dependents who have ended their COBRA insurance.

On Jan. 1, additional regulations went into effect. Below are some of the highlights of this legislation and its impact on employee benefits.

With regard to employees or dependents who become eligible to enroll in medical benefits, HIPAA regulations require health plans to credit time that an individual has spent under prior health coverage toward satisfying the employee's plan's preexisting condition exclusion period.

However, preexisting conditions only apply to Plan A and the Healthpass PPO, not to the HMOs. Benefits are limited for a preexisting condition, but coverage for a preexisting condition will apply after the earliest of: (1) three consecutive months during which no covered charges are incurred on account of such injury, sickness or related condition; (2) 12 months of continuous coverage; or (3) in the case of employees only, six months of continuous active work and coverage.

Because of HIPAA regulations, the preexisting limitation period can be reduced or eliminated when an employee presents certification of coverage from a prior health plan. The Employee Benefits Division has been issuing the "Certificate of Group Health Plan Coverage" since June 1997.

A preexisting condition may not be applied to pregnancy or to a newborn or adopted child under age 18 (including a child placed for adoption) if enrolled within 30 days of birth, adoption or placement.

Proof of insurability can no longer be required for late enrollees or employees/dependents who may have declined or who may have been denied coverage and wish to enroll in a medical plan.

1. Under the HIPAA regulations, if an employee neglects to enroll himself or herself, a spouse, a newborn child, or an adopted child within 30 days of the date they become eligible for medical coverage, the employee will be required to wait until the annual open enrollment period to request to add this coverage. Since the University's annual open enrollment is in November, the medical coverage will then become effective the following Jan. 1.

2. If an employee goes on a personal leave and declines medical coverage, the HIPAA reg-

The two key points to keep in mind are:

- (1) most eligible enrollments, other than at the open enrollment period, need to be made within 30 days of a triggering event; and**
- (2) proof of insurability will no longer be required, but requests for enrollment (or re-enrollment) may be limited to the next annual open enrollment period.**

ulations state that an employer cannot require proof of insurability for the employee to re-enroll in medical coverage. However, the employer can require the employee to wait until the next open enrollment period, and the University will require that employees wait until the open enrollment period to request re-enrollment.

3. An employee takes a personal leave and does not continue medical benefits. While on leave, he or she takes another position which has health benefits. After the leave arrangement expires, the employee returns to the University and wishes to re-enroll in medical coverage. Because of HIPAA, the University will only be required to offer coverage when the employee returns if he or she loses eligibility for the other coverage upon his or her return to the University. In this case, the employee must submit a certification of coverage from the other employer. Otherwise, this individual will be required to wait for the next annual open enrollment period.

4. If an employee takes a personal leave and declines his or her medical coverage, but is covered by his or her spouse's coverage, the employee will be required to wait for the next open enrollment period when he or she returns from leave. However, coverage will be reinstated at the time the employee returns from his or her leave if the other coverage is terminated by the other employer, the employee provides a certification of coverage from the other employer and the employee notifies the University within 30 days of the loss of coverage.

While HIPAA rules cannot be summarized simply, the two key points to keep in mind are: (1) most eligible enrollments, other than at the open enrollment period, need to be made within 30 days of a triggering event; and (2) proof of insurability will no longer be required, but requests for enrollment (or re-enrollment) may be limited to the next annual open enrollment period.

If you have any questions, call the Employee Benefits Office at (814) 865-1473 or e-mail BENE@psu.edu.



Spring fix-up

Workers from the R.H. Marcon Co. of State College install new insulation on the roof of the Music Building on the University Park campus. When finished, the roof also will receive an increase in pitch to help facilitate water drainage.

Photo: Greg Grieco

Search is under way for associate dean

Applications or nominations are invited for the position of associate dean for graduate studies and research in the College of Communications. Candidates should have an earned doctorate; outstanding academic and research credentials commensurate with a senior faculty appointment; a strong commitment to the development of graduate education and research in a university setting; a record of university service; and strong interpersonal and management skills.

The associate dean for graduate studies and research will report to the dean of the college and will coordinate with the associate dean for undergraduate studies in those areas where their responsibilities overlap. Total enrollment in the college is 2,300, of whom approximately 11 percent are from underrepresented groups. There are more than 50 full-time equivalent faculty.

Applicants should send a letter describing qualifications and interest; a resume; and the names, addresses and phone numbers of three to five references to: Chair, Advisory Search Committee, College of Communications, Penn State University, 201 Carnegie Building, Box 1, University Park, Pa. 16802-5101. Deadline for applications is May 8. Women and minorities are encouraged to apply.

Find us on the Web

This issue of *Intercom* is available online. Log in to <http://www.psu.edu/jur/INTERCOM/>. To see past issues of *Intercom* dating back to Jan. 18, 1996, log in to the main *Intercom* page and click on the link to the archives.

For additional information on University happenings, see the University Relations home page at <http://www.psu.edu/jur/>.



A small S/ICE

A sampling

On March 20, Introduction to Photojournalism students taught by Jock Lauterer, associate professor, and Steve Manuel, instructor, scoured the University Park campus for scenes typical of campus life. Although all photographs were taken at University Park, the collection captures life at all University locations. The four photographs surrounding this text, and the photographers who took them, are, clockwise from top:

■ Dori Lemeh, administrative assistant in visual arts, advises student Tammy Hollingsworth on classes to take next semester. Lemeh has worked in the art department at Penn State for 12 years. Photo by Suzanne Danczyk.

■ Pedestrians battle Mother Nature while trekking across campus. On this gray and rainy afternoon, activity at Pattee Library was limited. However, some, like graduate student Cheryl L. Sharpe, managed to conquer the elements. Photo by Michael L. Palmeri.

■ Jian Qin Sun performs the last step of a test for iron deficiencies in blood samples from elderly women March 20 in Henderson South Building. Sun is a visiting scholar from China conducting research in the Department of Nutrition in the College of Health and Human Development. Photo by Mindy Larson.

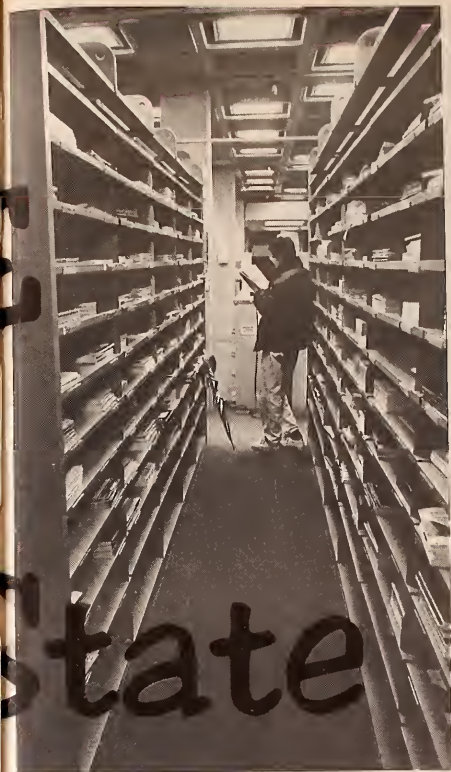
■ Theatre 100 professor Annie McGregor explores the finer points of August Strindberg's "Miss Julie" with her 11:15 a.m. class in the Forum Building. Photo by Judith Thomas.



of life at

Penn S





More scenes from everyday life ...

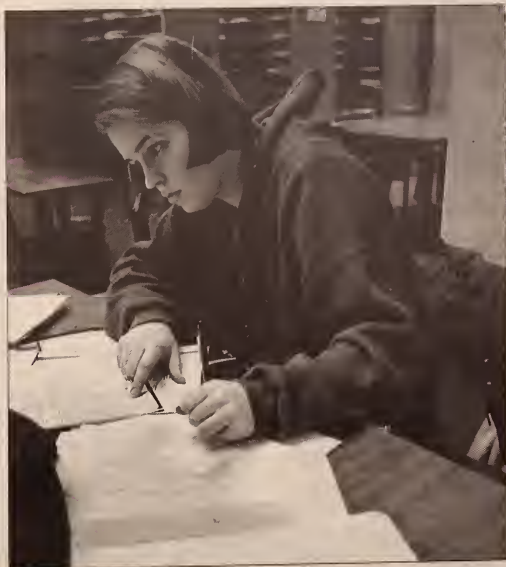
The four photographs surrounding this text show a mix of hard work and leisure. Clockwise, from top right:

■ Emily Grosbnor, a freshman studying German, concentrates on making a pot. She is one of many students who create pottery in the Arts and Crafts Center in the Hietzel Union Building. Photo by Rocshaw Mahoney.

■ Susan Schonhoff, a senior majoring in biology, sorts through mounds of biology information in the Lite Sciences Reference Room of East Pattee Library. Schonhoff spent the afternoon working on a biology research paper for an honors class. Photo by Melissa Siemzhorn.

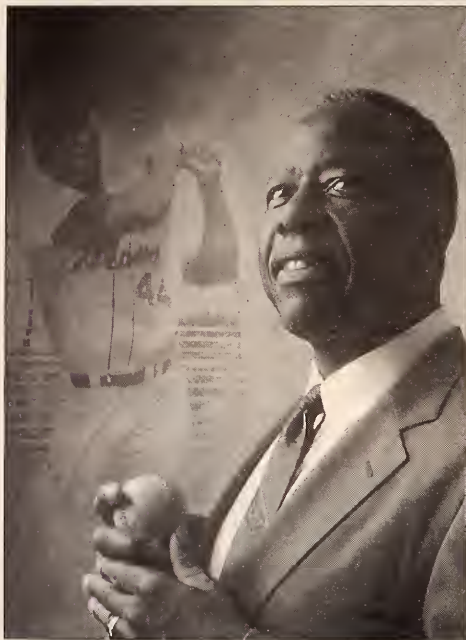
■ Student Scott Sadusky spends the evening practicing his game of pool in the HUB Billiard Room. Photo by Joanna Horn.

■ Hong Chen catches up on some reading during a quiet afternoon in Pattee Library. Photo by Al Argueta.



ARTS & ENTERTAINMENT

AT PENN STATE



Coming soon

Major League Baseball legend Hank Aaron will speak at 8 p.m. Wednesday, April 22, at The Bryce Jordan Center on the University Park campus. His talk, part of the Distinguished Speaker Series, is free to the public.

Russian film festival

Penn State and Bucknell University are collaborating on a film festival called "New Names in Contemporary Russian Cinema: Vladimir Khotinenko," featuring Khotinenko today through April 16 with showings on both campuses. All sessions are free to the public.

Michael Naydan, professor of Slavic languages and head of the Department of Slavic and East European Languages at Penn State, is coordinating the festival at Penn State, while Slava Yastrenski, associate professor of modern languages and director of Bucknell's Russian studies program, organized the festival.

Khotinenko will bring five of his films, including "The Moslem," which won the Grand Prix at the Montreal International Film Festival and the 1996 Russian Film Academy Nika Awards for best film, best director and best actor.

Also on the schedule will be Valeri Kozlov, a Russian art critic and producer of several documentary films, and Titiana Yakovleva, a specialist on Russian film who recently taught at Georgetown University.

The festival begins at Bucknell today to April 11. Call Kathie Dibell at Bucknell at (717) 524-3260 for details.

The schedule for Penn State is:

■ Tuesday, April 14, at 7 p.m. in Room 258, Willard: "The Patriotic Comedy."

■ Wednesday, April 15, at 7 p.m. in Room 258 Willard: "Makarov."

■ Thursday, April 16, at 7 p.m. in Room 358 Willard: "The Moslem."

Odyssey Through Literature

Jonathan Kalb of the Hunter College theatre department and host Leonard Rubinstein discuss German playwright Heiner Muller on the next episode of Odyssey Through Literature, "Theatre of Inundation." Muller grappled with the dead in his plays. "We have to dig up the dead again and again because only from them can we obtain a future," says Rubinstein, quoting Muller.

Odyssey Through Literature is produced as a continuing education service of the Department of Comparative Literature. It airs Sundays at 6:30 on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania.

Horn Ensemble to perform

The Penn State Horn Ensemble will perform its spring concert at 8 p.m. Monday, April 13, in the School of Music Recital Hall on the University Park campus.

The 20-member French horn ensemble is made up of music majors and minors, and is directed by Lisa O. Bontrager, associate professor of music, and doctoral student Kim Reese. Kevin Tutt, a master's student in conducting, serves as principal conductor.

The concert is free to the public.

Bach's Lunch

Sine Nomine, a chamber choir ensemble in the Penn State University Choir, will perform for the Bach's Lunch concert at 12:10 p.m. Thursday, April 16, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture School of Music and the University Lutheran Parish.

Sine Nomine consists of 12 to 18 members of the University Choir. Both choirs are conducted by Tony Leach, assistant professor of music.

After the concert, audience members may take their bag lunches in the Roy and Agnes Wilkinson Lounge, in the Eisenhower Chapel. Coffee and tea will be provided.

Agamemnon at Altoona

The Penn State Altoona Theatre Department will present Aeschylus' *Agamemnon*, the first play in the



BRYCE JORDAN CENTER

Yanni live

Contemporary instrumentalist/composer Yanni brings his band and symphony orchestra in an all-new show to The Bryce Jordan Center at 8 p.m. Tuesday, May 26. Tickets are \$53 and \$37.

Yanni achieved unprecedented success with his 1994 concert special, "Live At The Acropolis," which sold seven million albums worldwide, reached over a half-billion television viewers in 65 nations and became the third best-selling music video of all time. Early indications suggest he may best these figures with his latest project, "Tribute."

Culled from Yanni's live performances at India's Taj Mahal and China's Forbidden City in 1997, "Tribute" debuted at No. 39 on Billboard's "Top 200" in November 1997 — the best for any original Yanni album. "Tribute" is currently No. 1 on Billboard's New Age Chart and the video has consistently been in the top 10 since its release.

Upcoming events

■ April 16-18: NCAA 1998 Men's Gymnastics Championship, 7 p.m. For tickets, call (814) 863-1000.

■ April 22: Hank Aaron, Distinguished Speaker Series presentation, 8 p.m., free admission.

■ May 1: The Royal Lipizzaner Stallions, 7:30 p.m. Tickets are \$18 and \$16. Children and seniors receive a \$2 discount.

■ May 28: Clint Black with special guests Trace Adkins and The Kinleys. Ticket prices will be announced at a later date.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

Orestia trilogy, at 8 p.m. April 16-18 and 22-25, and at 2 p.m. April 26, in the Wolf-Kuhn Theatre on the Altoona campus. The production is directed by Dick Caram, associate professor of theatre arts at Altoona.

Tickets are \$5 for general admission; \$3 for Penn State students and school groups of 10 or more. For reservations, call (814) 949-5121.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, April 10

■ Scott Schweigert, gallery talk on "16th- and 17th-Century Italian Paintings at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

Saturday, April 11

Andrea Bidelspace and Marisa Sorrentino, voice, student recital, 4 p.m., Recital Hall.

Nadine Babelsi, voice, student recital, 8 p.m., Recital Hall.

Sunday, April 12

Gregg Goldman, percussion, student recital, 4 p.m., 122 Music II.

Odyssey Through Literature, "Theatre of Inundation," 6:30 p.m., WPSU, 91.5 FM.

Monday, April 13

"Daughter of the Regiment," New York City Opera National Company, 8 p.m., Eisenhower Auditorium. For tickets, phone (814) 865-0255.

Horn Ensemble, 8 p.m., Recital Hall.

Tuesday, April 14

■ "The Patriotic Comedy," film, 7 p.m., 258 Willard.

Centre Dimensions, 8 p.m., Recital Hall. For tickets, phone (814) 865-0431.

Wednesday, April 15

CWS Sexual Assault Awareness/Prevention Event-Penn State Clothesline Project: Bearing Witness to Violence Against Women, noon to 9 p.m., April 15; 10 a.m. to 7 p.m., April 16; HUB Fishbowl.

Old Main Open House, 10 a.m. to 5 p.m.

"Mekong," film, 7 p.m., 258 Willard.

Thursday, April 16

Penn State University Choir, Bach's Lunch, 12:10 p.m., Eisenhower Chapel.

■ "The Moslem," film, 7 p.m., 358 Willard.

Malet Ensemble, 8 p.m., Recital Hall.

Friday, April 17

"AAA Blues Band," noon, Kern Lobby.

Arts and Architecture 1998 Awards Convocation, 4:30 p.m., Recital Hall.

Opera Theatre, Susan Boardman, director, 8 p.m., Schwab Auditorium. For tickets, phone (814) 865-0431.

Women's Chorale, Robert Drafall, director, 8 p.m., Recital Hall.

Saturday, April 18

Sarah Renzi, student lecture/recital, 4 p.m., 122 Music Building II.

Melissa Harris, flute, student recital, 4 p.m., Recital Hall.

Opera Theatre, Susan Boardman, director, 8 p.m., Schwab Auditorium. For tickets, phone (814) 865-0431.

Sunday, April 19

"Riders in the Sky," 1 and 3 p.m., Eisenhower Auditorium. For tickets, phone (814) 865-0255.

Singing Lions, Peter Kieter, director, 1:30 p.m., Recital Hall. For tickets, phone (814) 865-0431.

Orland Singers, Lynn Drafall, director, 4 p.m., Recital Hall. For tickets, phone (814) 865-0431.

Blake Hoppes, piano, student recital, 4 p.m., 122 Music II.

Lawrence Moore, saxophone, graduate recital, 8 p.m., Recital Hall.

Steven Grazzini, piano, student lecture/recital, 8 p.m., 122 Music II.

Jennifer Pawloski, gallery talk at "The Hudson River School Landscape," 2 p.m., Christoffers Lobby.



On stage

Cathy, Thorne is Marie (center) with soldiers in a scene from the New York City Opera National Co. production of Donizetti's *The Daughter of the Regiment*. The Center for the Performing Arts will present this play at 8 p.m. Monday, April 13, at Eisenhower Auditorium on the University Park campus. For tickets, call (814) 865-0255.

Photo: Carol Rosegg

SEMINARS

Friday, April 10

Harold W. Kroto on "The New Round World of Carbon Chemistry and Material Science," 12:15 p.m., Assembly Hall, HUB.

Steve Lin on "Testing for Income Smoothing Using the Backing Out Method," 3:30 p.m., 335 Bean Business Administration.

John Laniado on "Modeling and Simulation - The Next (Virtual) Frontier," 4 p.m., 206 Walker.

Monday, April 13

■ August Schuchmacher Jr. will discuss agricultural trade issues as they relate to growth opportunities for U.S. farm products and the problems we face as a result of the meltdown of the economies of Southeast Asia, 11 a.m., Ballroom D-E, The Nittany Lion Inn.

Tobin J. Marks on "Molecular Self-Assembly Routes to Optically Functional Materials," 12:15 p.m., SS Osmond Laboratory.

James Garthe, Robert Shannon and Paul Walker on "Goals, Ambitions and Aspirations of Program Administrators," 12:20 p.m., 239 Agricultural Engineering.

■ Isidro J. Rivera on "Narrative Visualization - La vida e historia del rey Apolonia (Zaragoza: Hurus, 1489)," 12:40 to 1:20 p.m., 101 Kern.

Jorge Vivanco on "Andean Root and Tuber Crops: The Potato Materials," 3:35 to 4:30 p.m., 112 Buckhout Laboratory.

Alexander Johnson on "Sexual Orientation, Repression and Arresting Make-Overs in the Microbial World," 4 p.m., 110 Wartik Laboratory.

Tuesday, April 14

Michael J. Bebenbaugh on "Engineering the Secretion Pathway of Insect Cells," 10 a.m., 140 Fenske Laboratory.

Martina Morris on "The Long-Term Impact of Changes in Wage Inequality," noon to 1 p.m., 406 Oswald.

■ Peter Edwards on "Australia and the U.S. in the Vietnam Conflict: Point and Counterpoint," 12:30 p.m., 124 Sparks

Cheuk-Yin Wong on "Jipsl Suppression as a Signal for the Ouark-Gluon Plasma," 3:30 p.m., 339 Davey Laboratory.

Daniel Frey on "Ecology, Design and Sustainability," 4 p.m., 351 Willard.

Howard Schechman on "Attempts at Relating *in vivo* Folding of Protein to the *in vitro* Process through the use of Circularly Permuted Polypeptide Chains," 4 p.m., 101 Thomas.

MaryDot, author of four books of poems will speak, 7:30 p.m., 305 HUB.

Wednesday, April 15

■ Edward Williams on "The Russian Soundscape in Travelers' Accounts and Literature," noon to 1 p.m., 316 Burrows.

Costas Moranas and Larry Duda on authentic assessment, noon, 304 Rider II.

Richard N. Arteca on "Ecological Mechanisms Involved in Touch-Induced Modifications in Plant Growth and Development," 12:20 to 1:10 p.m., 111 Tyson.

Monica Kuhn on "Roof-top Gardens," 4 p.m., 165 Willard.

Elia Femia on "Unraveling the Mystery of Disability in the Oldest Old," 4 to 5 p.m., 110 Henderson.

Sylvia Luraghi on "Third Person Pronouns of Reference in Tacitus, and the Conditions Governing their Omission," 4:30 p.m., 102 Weaver.

Thursday, April 16

"Nutritional Supplements," videoconference, 11 a.m. to 4:55 p.m., Agricultural Administration.

John Clarke on "High-Tc SOUIDs and Biology," 3:30 p.m., 101 Osmond Laboratory.

Yi-Jen Chiang on "100 Optimal Insurance Extraction in Scientific Visualization," 4 p.m., 302 Pond Laboratory.

Gloria Balague on "Working with Elite Women Athletes: The Case of Rhythmic Gymnastics," 4:15 to 5:30 p.m., 123 Chambers.

Margaret Wertheim will speak on her new book *Pythagoras' Trousers: God, Physics and the Gender Wars*, 7 p.m., S209 Henderson.

Fred Gardaphé on "Breaking and Entering: From the Streets to the Academy," 7 p.m., The Grandfather Clock Room, Atherton Hall.

Lily Chi on "Characterizing Space," 8 p.m., 22 Delke.

Friday, April 17

■ John Connor on "Future of the U.S. Food System in a Global Economy: The Northeast's Role," 10 a.m., Palmer Museum Auditorium.

Richard Chalk on "Tensure and its Alternatives in the University of the Future," 10 to 11:30 a.m., The Nittany Lion Inn.

David Scott on "Learning to Change: The University as a Learning Organization," 11:30 a.m. to 1 p.m., The Nittany Lion Inn Ballroom.

Rosalyn Millman on "Highways, Byways and Politics in America: The Fabrication of U.S. Transportation Policy," 4 p.m., Walker.

■ Fred Gardaphé on "Linguine and Lust: Food and Sex in Italian/American Culture," 4 p.m., 151 Willard.

CONFERENCES

Implementing HACCP in Food Service Operations, Agricultural Science and Industries, through April 14.

Friday, April 17

R. Hadly Waters Logistics and Transportation Symposium, Penn State.

Saturday, April 18

Health Empowerment Conference, Penn State.

Challenges & Achievements Conference, 9 a.m. to 3 p.m., Cate Laura, Keller Building.

EXHIBITS

Computer Building

"Naked and Not Ashamed," by Tia Dillard, through April 30.

HUB Formal Gallery

■ David Donligny exhibits terra cotta plates, through April 25.

HUB Sculpture Corner

"Peace Talks," by William Engle, through May 21.

Kern Exhibition Area

Wildlife and scenic photography by Cecil and Doris Trueblood, through May 10.

North Halls Cultural Lounge

Ceramic pieces by Paul Zuber, through May 7.

Palmer Museum of Art

"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Warrior Hall Multi Purpose Room

Simon Barry exhibits his acrylic works, through April 29.

Zoller Gallery

M.F.A. Exhibition by Carrie Ann Plank and Heather Reed, through April 14.

M.F.A. Exhibition by Charles Farrell and Stacy Snyder, April 15 through 24.

■ Reflects International perspective.

For a full listing of University Park activities, including sporting events, go to the Web at

University program works to develop leaders

Rapidly evolving technology ... the new demographics of the workforce ... increased competition. All are components of unprecedented change facing Penn State employees. To create new opportunities and meet the challenges of the next century, Penn State is investing in The Penn State Leader, an eight-hour program and one of five areas of the new Excellence in Leadership and Management curriculum.

The program, which will be offered 10 times a semester, is centrally funded and offered at no cost to the participants or their units. The program was launched as a response to the results of the 1996 Faculty Staff Survey in which employees expressed concern for personal and professional development. Employees also are concerned about how leaders perform in their jobs and participate in leading the institution.

Thirty-five participants from across the University completed the two-semester Penn State Leader program, offered March 24 and 31 on the University Park campus.

Each seminar included the leadership perspective of a guest speaker and actively engaged in talk about the essential nature of leadership and the critical issue of creating leaders throughout the University.

"The most important part of any organization is the people that make the system work," said Joseph Strasser, dean of the Commonwealth College, who spoke during the first seminar. "We can have so many people, so many buildings, so many computers, so many football stadiums, we have all these kinds of things. But what makes them all work is the people who are there. We are investing here in the most important part of our University, in an area where we have an opportunity for greatest return."

While Seminar I provides participants an opportunity to explore "big picture" leadership issues, Seminar II engages them in the work unit operations which challenge leaders on a day-to-day basis.



Class participation

Betty Roberts, assistant vice president for Business Operations, center, talks with Steve Cleaver, left, and Andrew Tellep during a morning session of the Penn State Leader program. Photo: Greg Gineco

Sharing her leadership perspective during Seminar II was Betty Roberts, assistant vice president for Business Operations.

The Penn State Leader is a values-based program with three main objectives: to enable participants to understand the values that are essential for effective leadership at Penn State; to help participants assess their own leadership style in regard to the University's values; and to facilitate open dialogue among participants who represent the current and future leadership of the University.

"I loved hearing everyone's perspective on leadership. I was surprised at the amount of overlap and how the thinking of leadership was consistent across the different areas of the University," Mike Conti, associate director of food services at The Nittany Lion Inn, said.

Kimberly Townsend, human resource development associate and assistant professor of education, led the design team that outlined The Penn State Leader. As facilitator and

chief architect of the program, Townsend said, "The foundation of the program is that everyone has the potential to be a leader within his or her sphere of influence. It is critical that we have leaders throughout the University if we are to meet the challenges of the future."

At the core of the program is concern for people. Recognizing the importance, benefits and personal rewards of helping others grow and develop is a primary goal, along with appreciation of and commitment to diversity and cultural attributes; respect for others; teamwork, collaboration and partnerships; personal and professional development; and ethics and integrity.

A team approach is used throughout the seminars which offers the participants an opportunity to explore one another's viewpoints and learn from each other's experiences.

"Because we are using a team approach, we will work with how people learn and how the workforce of the future will be structured. By

coming together as a team, we appreciate the diversity of people and information that enable all of us to meet our goals," Roberts said.

The Penn State Leader is a systematically planned program that will enable participants to perform more effectively in their capacity to lead others. In turn, skilled leaders will have a positive impact on the performance of those with whom they work.

As Penn State adapts to rapidly changing demands and conditions, a planned curriculum for leaders will enable colleges and administrative areas to evolve while remaining productive.

"At Penn State, we are practicing what we are preaching," Strasser said. "We are pursuing an opportunity within Penn State that allows employees at all levels, regardless of rank, to develop leadership potential. Employers who hire Penn State graduates tell us they want people who can work in teams, collaborate, and solve problems. It is these attributes that were indicated as highly valued in the Faculty Staff Survey. These values are integrated into The Penn State Leader."

The program actively engages participants to think about the future of Penn State and their role in shaping that future.

"The program was dynamic, kept us moving and thinking. It was not like other programs that only tell you what you already know — it helps you consider a well-worn topic from a totally fresh perspective," Frank Wilson, executive producer at WPSX-TV, said.

Critical to the success of The Penn State Leader program is the high interest of participants. Consequently, a nomination process will continue to be used. Individuals may be nominated by their units or may nominate themselves. Details of the nomination process will be available in the HRDC fall catalog, or by contacting the HRDC office at (814) 865-3410.

Obituaries

Debra M. Coover, environmental health worker at The Hershey Medical Center, from April 16, 1990, until her retirement Oct. 19, 1996; died March 8, at the age of 41.

James F. Haldeman, senior extension agent, Berks County, College of Agricultural Sciences, from Feb. 16, 1950, until his retirement Sept. 1, 1980; died Feb. 19, at the age of 79.

Thomas N. Hartwick, art shop supervisor in College of Arts and Architecture, from Oct. 6, 1946, until his retirement Nov. 1, 1986; died March 5. He was 74.

Merlin F. Jenkins, assistant professor of engineering at Penn State Shenango, from Sept. 1, 1966, until his retirement July 1, 1984; died March 3. He was 76.

Marsha E. Krise, lead applications programmer/analyst in Computer and Information Systems-Administrative, from Feb. 15, 1993, until her death March 6. She was 31.

Blair W. Lykens, operator, centralized copy center in Business Services, from July 25, 1971, until his retirement June 30, 1984; died March 17, at the age of 77.

Vaclav Mares, professor of economics in College of the Liberal Arts, from Sept. 1, 1948, until his retirement Dec. 1, 1968; died Feb. 8, at the age of 95.

Elburt F. Osborn, vice president for research/professor of geochemistry, from Aug. 1, 1946, until his retirement Aug. 14, 1971; died Jan. 19. He was 86.

Robert D. Pashek, director, international programs/professor of business administration in The Smeal College of Business Administration, from Sept. 1, 1955, until his retirement Jan. 1, 1989; died March 14, at the age of 77.

John F. Rearick, janitorial worker in Office of Physical Plant, from Nov. 2, 1981, until his retirement Jan. 3, 1997; died March 15. He was 63.

Millis C. Wheeland, foreman, landscape maintenance, Office of Physical Plant, from May 1, 1941, until his retirement Jan. 1, 1977; died Feb. 24. He was 75.

Research exhibit featured variety of projects

The 13th Annual Graduate Research Exhibition, held on the University Park campus March 27 and 28, featured the work of graduate students from across the University in 168 poster exhibits and eight performances.

Their research ranged from evaluating the noise produced by tires on pavement to studying the dust from asteroid collisions to aid in the search for extrasolar planets. Among the projects displayed and explained by master's and doctoral students from 61 graduate programs were: alligator farming; creating Gettysburg; the outlaw healers of Saint Domingue; using enzymes as tools; better sex through biochemistry; alleviating arthritis; childhood obesity among the Cherokee; a feminist perspective of sorority culture; and children's understanding of photographs. The performance option included songs by Aaron Copland and Ned Rorem; piano works by Liszt, Ravel and Prokofiev; and drama by Bertolt Brecht, Nazli Eray and Shakespeare.

The Graduate Research Exhibition was established in 1986 to celebrate research as an essential and exciting part of graduate education at Penn State. The dual goals of this University-wide exhibition are to highlight the importance of research and creative activities to graduate education and to emphasize the importance of communicating research and scholarship to the general public. The addition of the performance option last year extended the opportunity to participate in the exhibition to those graduate students whose research and scholarship cannot be presented in a two-dimensional poster format.

"The Graduate Research Exhibition showcases the wide variety of research opportunities available to Penn State graduate students," Rodney Erickson, dean of the Graduate School, said. "It fosters communica-



Explaining his work

Graduate students in a wide variety of fields of study, had the opportunity to explain their work to others during the Graduate Research Exhibition. More than 160 poster exhibits end eight performances were featured in this year's exhibition.

tion across disciplines and introduces the wider community to the significance of our \$353-million-per-year research program."

Some 125 faculty and graduate student judges graded the poster exhibits in three areas: content (50 percent of the total score), display (30 percent) and oral presentation (20 percent). The analogous areas for the performance option were artistry, technique and suitability; performances were judged by four faculty and two graduate student judges.

Prizes totaling \$10,000 were awarded to 45 performances or posters in six categories: arts and humanities; engineering; health and life sciences; performance; physical sciences; and social and behavioral sciences.

■ First place in arts and humanities went to Lisa R. Barry of the department of speech communications, College of the Liberal Arts;

her adviser is Thomas W. Benson. Barry examined the film "Blonde Venus" in terms of its relevance to the social phenomenon of single motherhood.

■ Winner of first prize in engineering was Danijela Vorkapic of the department of chemical engineering, College of Engineering; her adviser is Themis Matsoukas. Vorkapic studied the effects of alcohol solvents on titania synthesis.

■ Brian K. Meyer won first prize in the health and life sciences category for his study of how the environmental contaminant dioxin imparts its toxic effects on a cell. Meyer isolated a protein that interacts with the dioxin receptor and identified it as XAP2 (named after the hepatitis B virus X-associated protein 2). Meyer is in the department of biochemistry and molecular biology, Eberly College of Science; his adviser, Gary H. Perdew, is in the department of vet-

Check the Web

For the complete list of Graduate Research Exhibition winners and additional information on their research, log in to the Web at <http://www.gradsch.psu.edu> under "Research."

erinary science, College of Agricultural Sciences.

■ First place in the performance option went to Seong-Ae Lim of the School of Music, College of Arts and Architecture; her adviser is Steven Smith. Lim performed the first movement of Prokofiev's Piano Sonata No. 6, Op. 82.

■ The physical sciences winner, Hiromu Sakurai of the department of chemistry, Eberly College of Science, studied metalloarabocyclodextrane clusters, or Met-Cars; his adviser is A.W. Castelman Jr.

■ Lori Francis won first place in the social and behavioral sciences category. Francis, in the department of human development and family studies, College of Health and Human Development, researched the role that parents play in forming children's attitudes about food and eating. Her adviser is Leann L. Birch.

The 13th Annual Graduate Research Exhibition was sponsored by the Graduate School and organized by the Graduate Council Committee on Research, whose members are: Christine Clark-Evans, associate professor of French and women's studies; George Doulakravich, associate professor of aerospace engineering; Kevin Furlong, professor of geosciences; Joanne Rutkowski, associate professor of music; Karen Schmeckel, graduate student in biobehavioral health; Susan Vanucci, associate professor of pediatrics; and Frederick Williams, professor of biology.

Book Shelf

As telecommunications media have developed and converged in recent years, it has become increasingly important for media practitioners to stay on top of the latest technologies and their implications for the industries. *The Cable and Satellite Television Industries*, by professors Patrick Parsons and Robert Frieden, examines the impact of new technologies in the world of television and the convergence and competition of emerging television industries, both nationally and internationally.

The book details where cable and satellite television came from, their current status and where they're headed, as well as how they relate to other media. It is part of a series in mass communication published by Allyn and Bacon. The authors hope the text

will provide a grounding in the fundamentals of the technology, and the economics and the business practices of these industries.

Features of the book include a detailed chapter on the history of the industries; an analysis of multichannel distribution systems including cable, satellites and digital broadcasting; an examination of converging programming; and a detailed discussion of the 1996 Telecommunications Act. The book is designed for students, industry professionals and consumers.

For more information, visit the Web at <http://www.psu.edu/dept/comm/news.html>.

Katherine Toland Frith, associate professor of communications, is the editor of *Undressing The Ad: Reading Culture*

in Advertising, a new collection of essays on the power agenda of advertising. The book aims to empower readers to become media literate by deconstructing the consumer culture that surrounds them.

Part of the series *Counterpoints: Studies in the Postmodern Theory of Education* published by Peter Lang, the book is designed to introduce undergraduate students to the analysis of advertisements from a critical political perspective. *Undressing The Ad* examines how issues of race, class and gender are expressed in contemporary advertising. The collection also explores how representation in advertising upholds certain economic and political structures and subverts others, while shaping contemporary culture and our images of ourselves.

Among those who contributed to *Undressing The Ad* are Ernest Mayes ('96 MA), a student in copywriting at the Portfolio Center in Atlanta, Ga., and Cheri Montes-Armenteros, an assistant professor of graphic design at Penn State.

For more information, visit the College of Communications' Web pages at <http://www.psu.edu/dept/comm/news.html>

The Penn State Urban Gardening Program in Philadelphia, directed by Terry Mushovic, extension agent in Philadelphia County, has published a 20th anniversary book, titled *Fine Food and Choice Gardeners*. The book includes interviews with 10 community gardeners, growing tips and recipes.

Construction to alter HUB access, scheduling

The first major changes in current Hetzel Union Building operations are scheduled to occur in mid-May as the construction of the new HUB-Robeson Center on the University Park campus continues this spring and summer.

The HUB building will stay open during the summer, with most services still operating. Food service will be available only on a limited basis until the beginning of fall semester and the opening of the redesigned Eateries. For current updates, call (814) 865-4HUB for operating hours and menus.

University offices planning events for 1998, 1999 and 2000 may want to contact Betsy Boyer in the Office of Event Management, (814) 865-7973 for the latest updates on HUB space availability and to discuss temporary alternatives on campus. The Robeson Cultural Center will be open during the entire project. For the latest information on space, call the center at (814) 865-1779.

The following changes are tentatively scheduled for the HUB:

■ May 4: The Cellar, Dough To Go and Bean Machine will be open. Temporarily closed until late August are Coaly's Cafe, Fastbreak, Food for Thought and Greenhouse Eateries.

■ May 11-June 5, Intersession: The Cellar will be open.

■ June 10 - Aug. 7, Summer Session: The Cellar and Bean Machine will be open for breakfast and lunch only.

■ May 18: The Ray Lounge, known as the Fish-bowl, will be permanently closed.

■ May 18: HUB Ballroom will be temporarily closed and will fully reopen in spring 1999.

■ May 18: The I.D. Card Office will temporarily relocate to 131-White Building during the remainder of the construction project.

■ May 18: The metered parking spaces and turnaround in front of the HUB off Pollock Road will



Detour

Students use a temporary walkway behind the Hetzel Union Building on the University Park campus. The covered walkway, erected during this most recent construction phase, allows access to the HUB basement, where the Eateries are located.

Photo: Greg Gnieco

be permanently closed. The HUB Parking Deck will be open.

The project will significantly renovate and expand the Hetzel Union Building and house the new Paul Robeson Cultural Center in the HUB-Robeson Complex. Construction is scheduled to be completed late fall semester 1999.

Built in 1955, the HUB is the main student union at the University Park campus, serving more than 50,000 students, faculty, staff and visitors. Approximately 25,000 people are estimated to use the building each day, and nearly 7,000 events are scheduled each year in the facility.

Promotions

Staff

Russell I. Fisher, director, business development services in Office of Vice President for Research.

William H. Flenner, coordinator, information systems in College of the Liberal Arts.

Pamela E. Forand, senior data manager at The Hershey Medical Center.

Peter K. Forster, associate director in Continuing and Distance Education.

Cynthia L. Galbraith, staff assistant VI in Continuing and Distance Education.

Lori A. Godissart, PEER educator/clinic coordinator in Student Affairs.

Peggy Y. Goff, staff assistant V in Continuing and Distance Education.

Diana W. Grant, staff assistant V at Penn State Delaware County.

Amy B. Grattan, senior microcomputer system consultant in The Smear College of Business Administration.

David A. Gribble, supervisor, computer and information systems at Penn State McKeesport.

Lisa A. Hippel, contracts and proposals specialist in Office of Vice President for Research.

Kim M. Holland, staff assistant VI in Continuing and Distance Education.

Connie S. Jackson, staff assistant VI at Penn State New Kensington.

Karen D. Jackson, coordinator, housing and food services information systems in Housing and Food Services.

Alan F. Janesch, manager, news bureau in University Relations.

Christine A. Johnson, assistant ticket manager in College of Arts and Architecture.

Priscilla A. Johnson, coordinator, academic support services at Penn State Berks-Lehigh Valley.

E. K. Jury, staff assistant V in Continuing and Distance Education.

Damian J. Kastner, supervisor, dining room at The Nittany Lion Inn.

William B. Kerr, network coordinator in Housing and Food Services.

David A. Klimczyk, engineering aide in Applied Research Laboratory.

Darlene K. Klinefelter, staff assistant IV in College of the Liberal Arts.

Janet L. Klinefelter, staff assistant VII in College of the Liberal Arts.

Jill S. Koehler, assistant extension agent in College of Agricultural Sciences.

Paul Kuchinski, senior microcomputer system consultant in The Smear College of Business Administration.

H.P. Lane, staff assistant VII at The Nittany Lion Inn.

Georgina H. Leon, instructional media designer in Continuing and Distance Education.

Patricia J. Long, alumni and development specialist in College of Engineering.

Frederick D. Loomis, director, administration planning and information technology in Continuing and Distance Education.

Lorraine L. Lutz, staff assistant IX in Applied Research Laboratory.

John C. Marshall, director, continuing education outreach operations in Continuing and Distance Education.

Gary M. McDavid, regional director in College of Agricultural Sciences.

Jean McGrath, associate director in Continuing and Distance Education.

Sherri R. McGregor, program aide at Penn State Altoona.

Bronwen H. McLaughlin, administrative assistant III in Eberly College of Science.

Ann D. Messner, graphic artist at The Hershey Medical Center.

Celia Millington-Wyckoff, instructional media designer in Continuing and Distance Education.

Velen L. Nelson, senior technician-research in College of Medicine.

Kerry A. Newman, marketing communications account specialist in Continuing and Distance Education.

Barbara J. Noll, staff assistant VIII at The Hershey Medical Center.

Fran S. Osseo-Asare, instructional media designer in Continuing and Distance Education.

Diane J. Pague, staff assistant V at The Hershey Medical Center.

Theresa D. Peters, administrative assistant III in Eberly College of Science.

Sheila L. Petrosky, staff assistant VI in Office of Vice Provost and Dean for Enrollment Management and Administration.

Timari A. Previs, senior applications programmer/analyst in Office of Vice Provost and Dean for Undergraduate Education.

Robert E. Probst, staff assistant IV in College of the Liberal Arts.

Andrea J. Resig-Wallace, senior microcomputer system consultant in College of the Liberal Arts.

Diane C. Ressler, staff assistant VI at Penn State Harrisburg.

HMO ratings may be sending mixed signals to consumers

By VICKI FONG
Public Information

Health plan ratings are potentially useful for consumers in a managed care marketplace, but current ratings vary widely in their evaluation methods, sending mixed signals to consumers, said a study by researchers at Penn State and the University of Michigan.

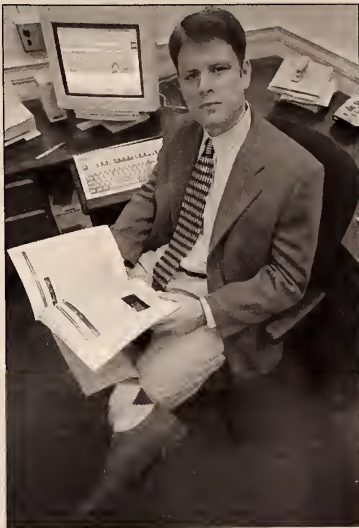
A study compared ratings from seven health plan report cards publicly available in fall 1996. The report cards included those produced by major publications, a large national employer, a non-profit consumer group, a health maintenance organization accreditation agency and a consortium of large employers.

"We found that although plan ratings were sometimes similar, there were instances where the same health plans received conflicting ratings from different report cards," said Dennis Scanlon, lead author of the study and assistant professor of health policy and administration in the College of Health and Human Development.

An example was one large California health maintenance organization, which received an overall rating of "excellent" from one report card, while receiving the worst possible overall rating from another report card.

The study attributes discrepancies in health plan ratings to the methods used to determine how many and which health plans are included, what kind of performance measures are applied and the way all the individual factors were pooled and evaluated to construct plan ratings.

For example, "some of the report cards focused solely on preventive care, while others embraced a wider range of services including preventive, primary and surgical care," Scanlon said. "In addition, report cards varied in terms of how they valued certain treatment and utilization rates. Report cards commonly assume that plans with



Research by a group including Dennis Scanlon, assistant professor of health policy and administration, has found a lack of standardization in health plan report cards.

Photo: Greg Grieco

higher surgical rates are worse despite the fact that the average age or illness rate of the HMO's patient population is usually not considered.

"Moreover, consumers (or employees) may have values that are different from employers or health insurance purchasers," he said. "For example, a higher surgical rate may actually be viewed favorably by consumers if it suggests more access to services in a plan.

"Unfortunately, consumers are not always made aware of the fine print. They often just see the headlines and may mistakenly take the ratings at face value," he said.

Another inconsistency is that for a sample city, i.e. Chicago, most of the report cards studied included only a fraction of the plans available to consumers in that market. Usually the plans

that were omitted were the smaller plans in terms of total enrollment.

"A competitive market requires information on all health insurance options available to consumers," Scanlon said. "By excluding some plans from the ratings — usually the smaller HMOs — the report cards are providing only partial information on the managed care options that are available in a given area and may encourage consumers to make false assumptions about those plans that are not included."

"The discrepancies in HMO ratings are not surprising given the lack of agreement among employers, health care providers and consumers on what constitutes the quality of a health plan and how that quality should be communicated," he said.

However, the study

authors cite two examples of ongoing improvement that may benefit consumers in the future: the continued refinement of the Health Plan Employer Data and Information Set, conducted by the National Committee on Quality Assurance, and the Consumer Assessment of Health Plans Project, which is in the demonstration phase, by the Agency for Health Care Policy and Research in Washington, D.C.

Employers and individual consumers will continue to demand information about the quality of managed care plans, with nearly 75 percent of the non-Medicare population with employer-sponsored coverage now enrolled in these plans, the researchers said. Only 13 percent of Medicare patients are enrolled in an HMO, and it's likely that a push to enroll this population in managed care will continue in the coming years.

"We urge that future report cards by employers, media or health care agencies become more standardized, include a wider set of health plans, and use the information most important to consumers. More research is needed to improve how we measure the quality of a plan and how complex information can be presented in a report card," Scanlon said.

In the meantime, he said report card users may want to consult several ratings to understand the wide range of information and evaluations, and use the report cards as a complement, rather than a substitute, for information from friends, colleagues and physicians.

Scanlon worked with Michael Chernen, assistant professor, University of Michigan; Sue Sheffler, president, Sheffler Associates, Arlington, Mass.; A. Mark Fendrick, assistant professor, University of Michigan, and co-director of Consortium for Health Outcomes, Innovation and Cost Effectiveness Studies, University of Michigan.

Quasar discovered using X-rays

The most distant object ever found by probing the universe with X-rays has been discovered by an international team of astronomers that includes Donald Schneider, associate professor of astronomy and astrophysics. The team was using an X-ray satellite known as ROSAT.

The object, a quasar whose 12-billion-year-old radiation has been speeding toward Earth since the universe was in its infancy, was detected with the deepest X-ray exposure ever made.

Quasars are the most luminous objects in the universe and among the most distant objects known. They are believed to contain the black-hole seeds from which all galaxies were formed.

Schneider said the quasar "is one of the faintest X-ray sources ever detected." The team's research "holds great promise for discoveries in the near future, when we will have the next generation of X-ray and optical observatories."

Because radiation from quasars takes so long to reach the Earth, scientists see distant quasars as they were billions of years ago and use them to study the early history of the universe.

"A quasar produces about 100 times as much energy as our entire galaxy but its volume typically is less than the size of our solar system," Schneider said.

The researchers discovered the quasar by pointing ROSAT's high-resolution X-ray camera at the sky for about a million seconds — more than 270 hours — a very long time by astronomers' standards.

Other astronomers on the team are from Caltech; the Astrophysical Institute in Potsdam, Germany; Princeton University; the European Southern Observatory; the Observatory of Bologna, Italy; and the Max Planck Institute.

ID+ cards to debut on June 7

After June 7, that Penn State employee ID card you may have been flashing will be obsolete. An all-new Penn State ID, for both employees and students, is being instituted.

From April 20 through May 1 at University Park, photographs for the new id+ cards — which combine traditional University ID functions with a host of new options and services — will be taken. Penn State locations outside of University Park are currently in the process of capturing cardholder photos and schedules vary by location. Check with individual campus card offices for details. All members of the University community should make plans to have their photos taken to receive a new ID card.

At University Park, the carding event for employees takes place April 20 through May 1, Monday through Thursday from 7 a.m. to 7 p.m., and Friday from 7 a.m. to 6 p.m. in room 6 of the White Building. For the convenience of "early risers," free parking will be available in the HUB parking deck in the metered spaces from 7 to 9 a.m. Employees should bring their current ID card, driver's license or passport to the photo event. The id+ card will replace any Penn State ID card (blue, white or green) employees currently have.

All card-reading systems must be ready on June 7 to accept the new id+ card. Questions about modifying card readers to accept the id+ card can be directed to Joel Weidner, id+ project manager, at jw2@psu.edu.

The new id+ card can not only provide identification, access to campus buildings and admittance to University events, it can also serve as an ATM card, a calling card and a debit card.

Eventually, the id+ card also will operate as a "smart card" thanks to a computer chip on the front. This chip will allow for up to \$100 of cash value — called "LionCash" — to be stored directly on the card. Cardholders will be able to use the LionCash for specific types of purchases, such as vending or copying services. To ensure that the new LionCash option operates properly, developers plan to test the feature through the end of the year on the University Park campus. Testing will expand to other locations in the future.

For more information on the id+ card, consult the Web at <http://www.hfs.psu.edu/idcard/>.

Out like a lamb



Blame El Niño

March 31 was downright summery at University Park, and across Pennsylvania. Temperatures climbed into the 80s, prompting people to get their shorts out of storage.

Above, Rachel Kosoff, a freshman biology student, chats with her friend Allison Mumper, a freshman biochemistry student, in the East Halls quad on the University Park campus.

Tara Ausherman, a sophomore in the College of Health and Human Development, right, didn't let the weather keep her from studying. She found a comfortable wall in the East Halls quad, and brought her work outside.

The summerlike weather didn't last long, though. So far, early April has seen temperatures much closer to normal for this time of year.

Photos: Greg Grieco



PENNSTATE



INTERCOM

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Volume 27, Number 28

New institute gets start with \$1 million grant

A Biomedical Engineering Institute will be established at The Milton S. Hershey Medical Center thanks to a three-year grant totaling nearly \$1 million from The Whitaker Foundation. The institute's purpose is to add a new educational component to the bioengineering program at Penn State.

The significance of the program, according to Gerson Rosenberg, institute director, is that students will be able to work with clinicians and researchers to learn about real-world problems. At the medical center, those problems could include looking into Penn State's artificial heart, virtual reality research and robotics, and orthopedic and rehabilitation research and imaging. Part of the funding will be used for the addition of two new faculty positions and for existing faculty to teach bioengineering courses. New courses also will be developed at Hershey and will be taught through distance

See "Biomedical" on page 3

Two to receive honorary degrees

Dr. Michael E. DeBakey, gifted surgeon, teacher and medical inventor, and Paul C. Glick, distinguished family sociologist and demographer, will receive honorary Penn State degrees this spring.

DeBakey will receive an honorary doctor of science degree from the College of Medicine at 1 p.m. Sunday, May 17, in the Hershey School's Founders Hall. Glick will receive an honorary doctor of humane letters from the College of the Liberal Arts at 3 p.m. Saturday, May 16, at The Bryce Jordan Center on the University Park campus. Glick also will deliver the commencement address.

DeBakey is credited with developing the Mobile Army Surgical Hospitals (M.A.S.H.) concept for the military, which saved thousands of lives during the Korean and Vietnam wars. Known for his pioneering work in the field of cardiovascular surgery, he also invented and perfected numerous medical

See "Doctorates" on page 2

Creamery makes special delivery



Special request

Creamery employees Todd Gantt and Jerry Winn pack eight half-gallon cartons of ice cream to be shipped to Kennedy Space Center in Florida. Penn State faculty member James Pawelczyk, who is a payload specialist on Space Shuttle Columbia, requested ice cream for the crew during preparation before today's scheduled launch. Requested flavors are vanilla, bitter-sweet mint, butter pecan and Peachy Paterno.

Photo: Greg Grieco

A taste of Penn State was delivered late last week to James Pawelczyk, the first Penn State faculty member to be selected for astronaut duty, and the other crew members of the Space Shuttle Columbia. At press time, all systems were "go" for launch at 2:19 p.m. today.

At Pawelczyk's request, eight half-gallon cartons of Creamery ice cream were shipped April 9 to the Kennedy Space Center in Florida. Requested flavors are vanilla, bitter-sweet mint, butter pecan and Peachy Paterno.

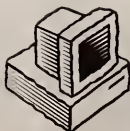
Shuttle flight STS-90, also known as the NeuroLab mission, is focused on expanding understanding of how the nervous system develops and functions in space. Research conducted by Pawelczyk, an assistant professor of kinesiology and physiology in the College of Health and Human Development, and others during the mission also will investigate applications to neurological disorders on Earth.

NASA's television coverage of the launch will be available at University Park and at other Penn State locations with satellite downlink services. At University Park, NASA TV is currently available on the Housing and Food Services' CATV system on Channel 30, Campus Cable CATV on Channel 25 and University Park TCI on Channel 60. Campuses with satellite downlink facilities can access the NASA coverage at F2 (GE 2) Channel 9.

During the mission, Pawelczyk will hold a live, question-and-answer, distance education experience April 26 with Penn State students. NASA's TV coverage will be available throughout the mission.

The shuttle mission is scheduled to land at the Kennedy Space Center May 2 or 3.

Inside



Teaching the teachers

Led by a Penn State faculty member, Pennsylvania's Link-to-Learn Professional Development project is helping teachers transform their classrooms. For more information, please see page 7.



Research

Analysis of how forested areas have evolved over the past few decades shows that they may have actually been better off before current fire suppression techniques were in effect. For details, please see page 15.

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GLAD you asked

Q. How many parking appeals does the Parking Office process a year? Who is on the appeals committee and is the committee paid? What are some guidelines for writing your appeal to the Parking Office?

— *Receiving too many tickets at University Park*

A: All recipients of parking violations have the option to pay or appeal. Violations may be appealed by completing an appeal form or by submitting a written appeal to the Parking Office. The Parking Office will submit the appeal to the appropriate appeals committee and notify the permit holder of the committee's decision. The ticket history, if any, of the permit holder will be attached to the appeal form for the committee's consideration in the case of repeat offenders. The decisions rendered by the committee are final. Appeals must be submitted within 20 calendar days of the violation date.

Penn State currently has two appeals committees, consisting of voluntary members. The first is the faculty/staff appeals committee, composed of three members of the University faculty and staff community. The committee reviews faculty/staff appeals to determine if a parking infraction occurred, as outlined in the parking rules and regulations. The second is the student appeals committee, consisting of one graduate student, one undergraduate and one faculty/staff member. This committee has the same responsibilities as the faculty/staff committee.

Committee members do not hold group meetings. An appeal is sent to one committee member, who notifies his or her decision and sends it to the next member. Each time the Parking Office sends appeals to the committee, the initial recipient is rotated to give each member a chance to make the lead decision. The identities of committee members are kept confidential to deter attempts to influence their decision.

The committee bases its decisions on the current parking rules and regulations. In most cases, if a regulation has been violated, the ticket will stand. Extenuating circumstances may be reflected in the committee's decision and each case is looked at separately. If the individual has a string of offenses resulting from parking in the same unauthorized area, grounds for an appeal are very weak.

There are no set guidelines to follow when appealing parking violations. A factual account of the circumstances that prompted the person to get a ticket is the most basic guidance for writing appeals. Using obscenities and threats in the appeal results in an automatic denial. In addition, appeals for people ticketed for parking in marked handicap spaces are usually automatically denied.

From July 1, 1996, to June 30, 1997, there were 1,348 appeals submitted to the Parking Office.

The Parking Office has listed the appeals process as the next subject for review by a Continuous Quality Improvement team, which will be initiated in the next three months.

I recommend that students, faculty and staff read the rules and regulations for parking on campus. If that material doesn't answer your questions, call the Parking Office at (814) 865-1436.

— *Theresa Davis*
director of Transportation Services

Doctorates

continued from page 1

devices, techniques and procedures including Dacron arteries, arterial bypass operations, artificial hearts, heart pumps and heart transplants. DeBakey served as an adviser to almost every president in the last 50 years and established the world's largest medical library.

In 1969 he was awarded the Presidential Medal of Freedom and in 1987, Ronald Reagan awarded him the National Medal of Science.

Glick is widely regarded as the father of family demography. He pioneered multidisciplinary research on the family life cycle and used census statistics to monitor family change in the United States. His work still serves as the protocol in the U.S. Census Bureau's Current Population Survey. Glick has been awarded the Silver and Gold medals of the U.S. Department of Commerce and numerous academic honors in the fields of sociology, demography, human development and family studies, statistics and public health.

Glick received his Ph.D. in sociology from the University of Wisconsin in 1938. He joined the U.S. Bureau of the Census in 1939, where he



MICHAEL E. DEBAKEY



PAUL C. GLICK

remained until he retired in 1981. For more than 40 years, his analyses kept the country informed about changing fertility rates, including the baby boom and the baby bust.

Penn State awards honorary degrees to eminent scholars, performers, artists and practitioners in academic fields, or individuals who have made particularly distinguished contributions to society in areas such as public service, business or government. Recipients are nominated by a 15-member committee.



Something for the kids

Graduate student Beverly Goodman gets the doll collection "Images of Ourselves" ready for The Department of Anthropology's Children's Day, above. A variety of activities are planned for youths age 3 to 12, including an "archaeological dig" in sand to unearth and identify various coins, seen at right. The events are scheduled from 10 a.m. to 4 p.m. Saturday, April 18, in the Matson Museum of Anthropology on the second floor of Carpenter Building on the University Park campus. For more information, call (814) 865-2509 or (814) 865-1231.



Photos: Greg Grieco

Biomedical

continued from page 1

education technology to students at University Park.

"In addition to the \$970,999 grant from the Whitaker Foundation, significant financial commitments are being made from the College of Medicine and the College of Engineering to expand the bioengineering program at Penn State," Rosenberg added.

The history of collaborative research involving bioengineers in the College of Engineering and faculty and research

staff from the College of Medicine goes back to the start of the artificial heart program in 1970. Since then, numerous collaborative efforts have taken place in this unique environment for engineers, which enables them to gain an understanding of a clinical practice and the role of biomedical devices and technology that they could not have gained in a pure engineering environment.

Spring commencement schedule announced

By KAREN I. WAGNER

Public Information

Penn State will hold 1998 Spring Commencement ceremonies at most campus locations the weekend of May 15 for 824 associate, 5,270 baccalaureate, 1,204 graduate and 110 medical degree students—a total of 7,408 graduates systemwide.

At the University Park campus, 23 students will graduate with associate degrees, 4,646 with baccalaureate degrees, 805 with master's degrees and 217 with doctorates, for a total of 5,691 graduates. Each college at University Park will hold its own ceremony.

Tipper Gore, wife of vice president Al Gore, will deliver the commencement address at Penn State Hazleton on Friday, May 15. Former Beirut hostage and Associated Press correspondent Terry Anderson will speak at Penn State Altoona's commencement ceremony on Saturday, May 9.

Dr. Michael E. DeBakey, surgeon, teacher and inventor of the Mobile Army Surgical Hospitals (M.A.S.H.) concept for the military will receive an honorary doctor of science from the College of Medicine at 1 p.m. Sunday, May 17, at the Hershey School's Founders Hall. Paul C. Glick, distinguished family sociologist and demographer, will receive an honorary doctor of humane letters from the College of the Liberal Arts at 3 p.m. Saturday, May 16, in The Bryce Jordan Center (see story on page 1).

Commencement speakers, times and locations for University Park are:

Friday, May 15:

■ 3 p.m.: The ROTC Tri-Services Commissioning Ceremony, Schwab Auditorium. The speaker is U.S. Army Brigadier Gen. James W. Parker.

■ 4:30 p.m.: Schreyer Honors College Medal Ceremony, Eisenhower Auditorium. Cheryl Achterberg, dean of the Schreyer Honors College, and President Graham B. Spanier will speak.

■ 8 p.m.: Eberly College of Science, The Bryce Jordan Center. David M. Lee, 1996 recipient of the Nobel Peace Prize in physics will speak.

■ 8 p.m.: The College of Education, Eisenhower Auditorium. Rodney Reed, dean of the College of Education will speak.

Saturday, May 16:

■ 9 a.m.: The College of Engineering, The Bryce Jordan Center. The speaker will be Linda Koffenberg, managing director of Union Carbide's Amerchol Corp. and Union Carbide Emulsions Systems.

■ 9 a.m.: The College of Agricultural Sciences, Eisenhower Auditorium. The speaker will be Robert Steele, dean of the College of Agricultural Sciences.

■ Noon: The College of Health and Human Development, The Bryce Jordan Center. The speaker will be Olympic diver Mary Ellen Clark.

■ Noon: The College of Arts and Architecture, Eisenhower Auditorium. Schuyler G. Chapin, commissioner for the New York City Department of Cultural Affairs, will speak.



Ready to leave Dear Old State

More than 6,000 undergraduates will soon have their last look as students at a familiar symbol of Penn State, Old Main on the University Park campus. Commencement ceremonies will be held at most University locations the weekend of May 15.

Photo: Greg Grieco

■ 3 p.m.: The College of the Liberal Arts, The Bryce Jordan Center. Paul Glick, a pioneer in the field of family demography, will speak.

■ 3 p.m.: The College of Communications, Eisenhower Auditorium. The speaker will be Jayne Jamison, vice president and publisher of *Redbook* magazine.

Sunday, May 17:

■ 5:30 p.m.: The Graduate School, Eisenhower Auditorium. The speaker will be Cynthia A. Baldwin, Allegheny County Court judge and member of the Board of Trustees.

■ 7 p.m.: The Smeal College of Business Administration, The Bryce Jordan Center. Richard W. Dugan, partner at Ernst & Young, will speak.

■ 7 p.m.: The College of Earth and Mineral Sciences, Eisenhower Auditorium. Gary W. Weber, vice president for science and technology for PPG Industries in Pittsburgh, will speak.

EMPLOYEE BENEFITS

A regular column provided by
the Office of Human Resources

State retirement legislation passed

Pennsylvania Act 41, recently signed by Gov. Tom Ridge, has reactivated the "30 and out" retirement window that lapsed on June 30, 1997 for SERS (State Employees' Retirement System) members. The legislation applies also to Public School Employees' Retirement System (PSERS) members, but applicable window periods differ and those individuals should seek information and guidance from their PSERS retirement counselors.

Under this special legislation, SERS members who have or will have at least 30 years of retirement credit, but who are under age 60, may retire without any reduction in benefits due to age. At 60, age is no longer a factor in calculating benefits.

ASERS member will be eligible for this benefit provided the employee during the period July 1, 1998 through June 30, 1999:

- has at least 30 years of retirement credit; and
- terminates University employment; and
- files an application for an annuity (pension) with an effective date to be no later than July 1, 1999.

It should be noted that while earlier windows were for a period of three years and were retroactive, this new legislation is in effect for only one year and is not retroactive.

Questions regarding this legislation should be directed to a Regional State Employees' Retirement System Counseling Center at (800) 633-5461.

Check the Web

Intercom is available online. New issues are posted Thursday mornings.

To see this issue, log in to <http://www.psu.edu/ur/INTERCOM/>. To see past issues, go to the same site and click on the link to the archives.



LECTURES

Chancellor to speak at lunchtime forum series

David K. Scott, chancellor of the University of Massachusetts at Amherst, will present "Learning to Change: The University as a Learning Organization" at the Penn State Forum from 11:30 a.m. to 1 p.m. Friday, April 17, in the Tittany Lion Inn Ballroom on the University Park campus.

Scott, a native of Scotland's Orkney Islands, conducted pioneering research on collisions and nuclear systems at the University of California at Berkeley for seven years. In 1983 he served as associate provost and vice president for academic affairs at Michigan State University.

During his six-year tenure, Scott drew on his rural island upbringing to make institutions of learning like Edinburgh, Oxford, Berkeley and Michigan State available to a wider audience. In 1993, Scott became chancellor of the University of Massachusetts at Amherst. He is a fellow of the American Physical Society and has written more than 100 articles on topics in nuclear science and higher education.

The Penn State Forum is a lunchtime speakers series sponsored by the Penn State Faculty Staff Club and the Penn State Bookstore. Tickets are \$10 and include lunch. A table of 10 may be reserved in advance; tickets will be sold at the door on a first-come, first-served basis. Lunch begins at 11:30 a.m., followed by the presentation at noon.

For more information, call (814) 865-7590.



DAVID K. SCOTT

"Amistad" screenings, faculty forum planned

The movie "Amistad" will make its debut on the University Park campus the week of April 20 with seven screenings. A Penn State faculty forum on Thursday, April 23, will discuss the movie's many themes and messages. The film screening dates and times are:

- Monday, April 20, 11 a.m. to 2 p.m., HUB Assembly Room;
- Tuesday, April 21, 11 a.m. to 2 p.m., HUB Assembly Room;
- Tuesday, April 21, 7 to 10 p.m., Paul Robeson Cultural Center;
- Wednesday, April 22, 11 a.m. to 2 p.m., HUB Assembly Room;
- Friday, April 24, 8 p.m., Findlay Dining Commons;
- Saturday, April 25, 8 p.m., Pollock Rec Room;
- Sunday, April 26, 7 p.m., 121 Sparks Building.

The faculty forum will be held from noon to 1 p.m. Thursday, April 23, in the Paul Robeson Cultural Center.

The forum will be led by Iyunolu Osagie, author of *The Amistad Unshackled*, with Charles Dumas, associate professor of theatre arts; James Stewart, vice provost for educational equity; Jeanne Hall, assistant professor of communications; Shari Roberts, assistant professor of communications; Anthony Olorunisola, assistant professor of communications; and Carey Fraser, assistant professor of African American studies.

For more information, call Shannon Hoover at (814) 863-8493.

Research symposium set for April 18

The First Environmental Research Symposium will be held from 8 a.m. to 5 p.m. Saturday, April 18, in 104 Classroom Building on the University Park campus.

The symposium is the result of a University-wide competition for graduate and undergraduate students who are actively pursuing environmental research at University Park. Each participant was asked to submit a one-page research proposal describing a project to be completed by April 18. A selection committee from the Center for Environmental Chemistry and Geochemistry affiliates chose 16 proposals to receive \$500 awards for the support of the proposed research. All award winners will present the results of their research at the symposium.

Four additional \$500 awards will be given out at the close of the symposium to those who have excelled in the presentation and completion of their proposed research.

Colloquium examines New Zealand cultural landscape

Bryan Patchett, a trade promotion officer at the New Zealand Consulate General in New York, will hold a lunchtime colloquium on "Challenging the Nature Conservation Cowboys: Recognizing the Cultural Landscape in New Zealand" at noon Tuesday, April 21, in 319 Walker Building on the University Park campus.

Before coming to the United States, Patchett worked with the New Zealand Historical Places Trust. He completed a master's degree in environmental management at Victoria University in Wellington, in which he focused on heritage development and on the protection of New Zealand's cultural heritage consonant with the protection of the natural environment.

The seminar is free to the public. For more information, call Patricia Corbett at (814) 863-1603 or e-mail pac9@psu.edu.

Breakfast lecture planned April 22 at Berks

K. Jack Yost, associate vice president for research and technology transfer at Penn State, will speak on "Technology and Economic Development" at 8 a.m. April 22, in the auditorium of the Perkins Student Center at Penn State Berks. Yost's presentation will describe how businesses can improve their products and services through technology and research partnerships with universities.

The presentation, part of Berks' Breakfast With Penn State series, will be preceded by a continental breakfast at 7:30 a.m. in the Freyberger Gallery.

Yost is responsible for administering Penn State's \$348 million research budget and economic development programs, including technology development and technical assistance programs funded by the U.S. Department of Commerce, the Pennsylvania Department of Commerce and private industry. In cooperation with the Pennsylvania Department of Commerce, he is actively involved with exploring technology-based joint ventures and trade opportunities of U.S. companies within the Pacific Rim.

The Breakfast with Penn State series is held monthly during each semester. The talk is free to the public. For reservations, call (610) 396-6050.

Baseball great Hank Aaron to speak April 22

The man who holds more batting records than any other player in the history of baseball, Henry "Hank" Aaron, will speak on "Chasing the Dream" at 8 p.m. Wednesday, April 22, at the Bryce Jordan Center on the University Park campus. Aaron's talk is part of Penn State's Distinguished Speakers Series.

During his 23 years in the major leagues, Aaron rewrote baseball's record books. At the peak of his career in 1974, he broke Babe Ruth's home run record. Twenty years later, fans voted that 715th homer the greatest moment in baseball history. Aaron was the first player to compile both 3,000 career hits and more than 500 homers.

Aaron's autobiography, *I Had a Hammer*, was a 1991 best seller and the TBS documentary, "Hank Aaron: Chasing the Dream," was a 1995 Academy Award nominee. Today, Aaron is a private business owner and corporate leader. He also is the senior vice president for the Atlanta Braves.

Aaron's presentation is free to the public. Tickets are not required. For more information, call (814) 863-3786.

Seminar looks at Asia's financial meltdown

Greg Sheridan, foreign editor of *The Australian*, will present a seminar on "Asia's Financial Meltdown and New Challenges to Asia's Leaders: An Australian Perspective" at 3:45 p.m. Thursday, April 23, in the Eisenhower Chapel Memorial Lounge on the University Park campus.

Sheridan is the foreign editor of the Sydney-based *The Australian*, Australia's national newspaper of record as well as Rupert Murdoch's flagship paper in the country. Sheridan, who has been with the paper since 1984, has served as diplomatic correspondent, editorial writer, and Washington and Beijing correspondent. He also has written various books, including *Living With Dragons*, *Australia Confronts Its Asian Destiny*; his most recent is *Tigers, Leaders of the New Asia-Pacific*, on which this seminar draws.

The seminar is free to the public. For more information, call Patricia Corbett at (814) 863-1603 or e-mail pac9@psu.edu.

More Lectures

Iron firm executive to speak on raw material challenges

In celebration of the 50th anniversary of the David Ford McFarland Award this year, the Penn State Chapter of ASM International and the Metals Science and Engineering Program in the Department of Materials Science and Engineering will honor Richard L. Shultz.

Shultz, who graduated from Penn State in 1970 with M.S. and Ph.D. degrees in metallurgy, will present the annual McFarland Award Lecture at 10:30 a.m. Saturday, April 25, in 26 Hoesler Building on the University Park campus. His talk is titled "Raw Material Challenges of the Dynamic New Steel Industry. Will They Be Met?" A reception honoring Shultz will be held at 9:30 a.m. April 25, in the EMS Mineral Museum, 112 Steidle Building.

Shultz is the vice president of technology for Cleveland Cliffs Reduced



RICHARD L. SHULTZ

Iron Corp. and director of ironmaking technology for Cleveland Cliffs Inc.

Before joining Cleveland Cliffs, Shultz spent 24 years with Armco Steel Corp., where he held research and technology and management positions. He is a Fellow of the American Ceramic Society and in 1997 was named a Centennial Fellow of the College of Earth and Mineral Sciences.

The McFarland Award is named in honor of David Ford McFarland, who joined the Penn State faculty in 1920 as head of the Department of Metallurgy, a position he held until his retirement in 1945.

During McFarland's tenure, the Department of Metallurgy increased in size and stature with more than 400 students graduating in metallurgy while he was department head.

Nobel Laureate to present Marker Lectures April 20-23

Douglas D. Osheroff, a Nobel Laureate and the J.G. Jackson and C.J. Wood professor of physics at Stanford University, will present the 1998 Marker Lectures in the Physical Sciences April 20-23 at University Park.

The schedule includes a lecture intended for a general audience: "The Nature of Discovery in Physics," at 8 p.m. Monday, April 20, in 112 Kern Graduate Center; two specialized lectures, "Understanding Superfluidity in Helium-3" at 3 p.m. Tuesday, April 21, in 101 Osmond Laboratory and "Nuclear Spin Ordering in Solid Helium-3: A Model Magnetic System" at 3 p.m. Wednesday, April 22, in S-5 Osmond Laboratory; and a colloquium titled "The Importance of Interactions Between Active Defects in Glasses at Low Temperature" at 3 p.m. Thursday, April 23, in 101 Osmond Laboratory.

Osheroff shared the Nobel Prize in Physics in 1996 for the discovery of superfluidity in helium-3 (<http://uwyo->

leland.stanford.edu/dept/physics/Nobel/osheroff.shtml). This breakthrough in low-temperature physics allowed researchers to study the properties of quantum liquids in detail and to compare these properties with predictions of low-temperature quantum physics to describe matter at the microscopic level.

Osheroff earned a bachelor of science degree in physics from the California Institute of Technology in 1967 and a doctoral degree in physics from Cornell University in 1973. He has received numerous honors for his work in low-temperature physics.

The Marker Lectures were established in 1984 through a gift from the late Russell Marker, professor emeritus of organic chemistry at Penn State, whose pioneering synthetic methods revolutionized the steroid hormone industry and opened the door to the current era of hormone therapies, including the birth-control pill.

Annual Green Design Conference to be held April 26 at University Park

The Fifth Penn State Green Design Conference will be held Sunday, April 26, in Café Laura and the Keller Building on the University Park campus. Programs are scheduled from 11 a.m. to 2 p.m. The conference is free, but preregistration will guarantee admission.

Eric Barron, director EMS Environmental Institute; Karen Thomas, environmental engineer; Toxic Use Reduction Institute; Linda Dolan, design engineer, Lockheed Martin Weapons Division; and Rebecca Lankey of Carnegie Mellon will speak on various topics. The moderator will be Mary Shoen-

"Boyz N the Hood" director visits April 30

John Singleton, writer and director of the film "Boyz N the Hood" and the youngest individual and first African American nominated for an Academy Award as best director, will speak at 8 p.m. Thursday, April 30, at Schwab Auditorium on the University Park campus.

Singleton is appearing as part of Penn State's Distinguished Speakers Series.

Singleton also won a nomination for best screenplay for "Boyz," a film



JOHN SINGLETON

that went on to become one of the highest-grossing African American films in history.

Singleton attended the University of Southern California. While still a student, he was signed by Creative Artists Agency after winning the Robert Riskin and Jack Nicholson writing awards two consecutive years.

Singleton's presentation is free to the public, but tickets are

required. For more information, call (814) 863-3786.

Energy industry executive to give Shoemaker Lecture

One of the energy industry's leading executives, E. Linn Draper Jr., will visit University Park on Friday, April 24, to present the seventh annual G. Albert Shoemaker Lecture in Mineral Engineering. He will speak at 4 p.m. on "The New Age of Electric Energy" in Room 22, Deike Building. Refreshments will be served at 3:30 p.m.

Draper is chairman, president and chief executive officer of the American Electric Power Co. (AEP) and the American Electric Power Service Corp., an investor-owned utility that provides energy to



E. LINN DRAPER JR.

2.9 million residential, commercial and industrial customers in seven states, primarily in the Midwest. Some 90 percent of its power generation is fueled by coal. The company is based in Columbus, Ohio, and has holdings in the U.S., United Kingdom and China. He has been AEP's chief executive since 1993. Earlier, he was a member of the faculty of the University of

Texas and director of its Nuclear Engineering Program. He serves as an adviser to a number of academic institutions, including Ohio State, Cornell and the University of Texas.

Earl asks if Shakespeare was a fraud

The Earl of Burford, Lord Charles Vere, asks the question "Was Shakespeare a Fraud?" on Wednesday, April 22, at 7 p.m. at Penn State Mont Alto in the Multipurpose Activities Center. The public is invited to attend.

For more than 200 years, there has been mounting evidence that it wasn't Bacon, Marlowe or Derby who wrote the poems and plays attributed to Shakespeare, but the Earl of Oxford, a poet, playwright and patron of the arts at the Court of Queen Elizabeth. Vere is a direct descendant of Edward De Vere, the 16th-century Earl of Oxford believed to have written the works long attributed to William Shakespeare.

During his visit to the area, Vere also will meet with students.



CHARLES VERE

maker, rocket scientist and environmental engineer, formerly with Rocketdyne Corp.

Software demonstrations also will be part of the event. For more information, call The Pennsylvania Space Grant Consortium at (814) 863-7688, or e-mail pspace@psu.edu.

■ Outreach



Finishing touches

Sally McCorkle, associate professor of art, third from right, works along with students Dan Bartasavich, left, Mike Schleiher, Eric Symons and Krista Hoefle to prepare carved stones for a new public memorial garden in Lionville, Pa.

Photo: Greg Grieco

Students create works for memorial garden

Sallie McCorkle, associate professor of art, developed a design course, Art 497d — Public Art: Design Project, as a way to contribute work to a public memorial garden in Lionville, southeastern Pennsylvania.

Eileen Swymer, whose 19-year-old son Nathan, a Penn State engineering student, died in a boating accident last spring, spearheaded the development of The Children's Garden in Lionville Park. Dedicated to the celebration of children, the garden is located on Downingtown Area School District property.

The garden provided an unusual educational opportunity for McCorkle's students to work with Swymer and a committee overseeing

the garden's creation. McCorkle donated slate pieces to be used as focal points in the garden, and the students created proposals for nearly 30 stones with images and text on them. Ten designs won approval from the garden's review committee and the class transferred the designs on to slate using sandblasting and carving techniques.

The class delivered the works to the site on April 4. Nine students worked on the project: Dan Bartasavich, Rob DeGrauw, Kirstin Demer, Krista Hoefle, Michael Miller, Mike Schleiher, Gail Stoicheff, Eric Symons and Scott Urbanek. Joe Orsatti, an alumnus of Penn State's landscape design program, donated his design services for the garden.

New at Penn State

Medicine on the Web

Researchers in the College of Medicine have developed a process to place interactive patient case conferences on the Internet.

"The idea behind case conferences, which are held at every academic medical center in the United States, is to present, contemplate and discuss patient-care issues with other members of one's department. The goal is to learn vicariously from one's peers," Dr. Jeffrey M. Taekman, assistant professor of anesthesia, said. "Now instead of being restricted to the experience of colleagues at your institution, we have access to physicians all over the world."

Taekman and Dr. Charles Kingsley, associate professor of anesthesia, have done several test cases and say the reaction has been excellent. The interactive learning is done at the user's convenience, at the end of a busy work day or at home after the family has gone to bed.

Taekman also envisions an accreditation component as part of the system. He estimates it would take less than an hour to review each case. He then would like to see a physician test at the end of the review to earn Continuing Medical Education credits. Taekman is currently negotiating with industry representatives to fund the project, which he estimates would cost close to \$1 million over three years. The majority of this money will fund an extensive peer-review system for both the multimedia cases and the appended discussions.

The case conference may be seen at <http://www.anes.hmc.psghs.edu/homey.html>.

New extension office

A new Penn State Cooperative Extension office was dedicated in Clinton County. The office recently moved from space in the Clinton County Court House Annex in Lock Haven to a renovated, 3,000-square-foot facility in Mill Hall, near the intersection of State Route 64 and U.S. Route 220. James Ladlee is extension director.

New program at Berks

Penn State Berks, Penn State Cooperative Extension Office and the Hispanic Center of Reading and Berks County have joined forces to present a program that combines academics, outreach and study abroad. Titled "Puerto Rican Food Systems and Society," the course focuses on the structure of Puerto Rico's agricultural and food systems.

The program gives students the opportunity to work with a county extension home economist to teach low-income parents about nutrition, menu planning and food safety through the Hispanic Center of Reading and Berks County.

At the end of the spring semester, the students will spend 10 days in Puerto Rico learning about the role of food in Puerto Rican society. While there, they will visit sugar, coffee and dairy farms and processing plants; a rain forest; an import-export center; and the Bacardi Rum distillery.

This program is supported by grants from the Kellogg Foundation, Penn State Berks and Penn State Lehigh Valley and the College of Agricultural Sciences.

The course is taught by Berks campus' Hassan Gourama and Janelle Larson and Faye Strickler of the Cooperative Extension Office.

Obituaries

Dianne Archo-Resto, admissions counselor in the Office of the President, died Tuesday, March 31. She was 42.

In addition to working at the University since 1992, Archo-Resto also was active in Penn State's Puerto Rican Students Association.

Memorial contributions may be sent to the Dianne Archo-Resto Memorial Fund, Central Bank, 116 E. College Ave., State College, Pa. 16801.

Samuel Joseph DiRoberto, associate professor of accounting at Penn State Abington, died Friday, March 20, at the Hospital of the University of Pennsylvania. He was 61. DiRoberto was a faculty

member at Abington from 1960 until his death. He also was a certified public accountant.

During his 38-year career at Penn State Abington, he received the Chief Ogontz Award in 1972 from the student body. He also received the award of Who's Who in Society in 1986 and Marquis' Award for Who's Who in Finance and Industry in 1993. He was a member of The American Institute of Certified Public Accountants and The Pennsylvania Institute of Certified Public Accountants.

Memorial contributions in DiRoberto's name may be sent to the scholarship fund, Penn State Abington, Development Office, 1600 Woodland Road, Abington, Pa. 19001.

Search for DuBois CEO progressing

The search for a campus executive officer at Penn State DuBois is moving ahead on schedule, according to search committee chairman John C. McWilliams. The position opened in November 1997 when CEO Joseph C. Strasser was named dean of the Commonwealth College. Claudia A. Limbert, then director of academic affairs, was named to fill the position as acting CEO.

"We are currently involved in a round of intensive interviews with three candidates and anticipate wrapping up this segment of the search process by mid-April," McWilliams said. He expects a successor will be in place before the start of the fall 1998 academic semester.

McWilliams, associate professor of history at DuBois, along with six colleagues from Penn State DuBois and three others from across the Penn State system, comprise the search committee. During the winter, the committee screened applications from across the nation to arrive at the three candidates who have been invited to visit the campus this spring to interact with faculty, staff, students and officers of the Penn State DuBois alumni society and the DuBois Educational Foundation.

During these interviews, the candidates are expected to present their philosophies on higher education and talk about how they plan to direct the operation of the campus. The candidates also will meet with senior administrators at University Park.



Nittany Lion bench

Accounting student Valerie Infantino, and alumnus Tom Ulmer sat atop the Nittany Lion Shrine on the University Park campus while chatting with Ulmer's brother David, a management science student. The weather has been fickle lately, but they managed to get out on a recent sunny day.

Photo: Greg Grieco

■ Outreach

Link-to-Learn program working well

Training 100,000 teachers across Pennsylvania how to operate, integrate and apply technology to their classrooms sounds like a befuddling proposition, but a new program aimed at doing just that is proving to be quite a success.

Pennsylvania's Link-to-Learn Professional Development project, headed by Kyle Peck, associate professor of education, has developed a flexible, statewide system that is helping teachers transform their classrooms. By providing a variety of learning experiences, case studies and resources, the project is not only training teachers to operate and integrate technology, but also enabling them to reorganize and reinvent powerful learning environments for their students.

Link-to-Learn is Pennsylvania Gov. Tom Ridge's three-year, \$121-million initiative to help schools acquire and upgrade computers; provide technology training for teachers; and build a Pennsylvania Education Network

(PEN) — a system of community-based learning networks that will connect classrooms, school districts and communities to each other and the world.

Under Peck's direction, a team of 30 advisers from K-12 schools, intermediate units and other colleges and universities, has created and put in place Web-based learning experiences that include "how to" and "what to" experiences.

The "how to" experiences educate teachers on important basic concepts, and then teach them to use the most popular and important tools, such as: Web browsers, e-mail, listservs, newsgroups, chat rooms, file transfer protocol (FTP) procedures for transferring files, and Web publishing software.

Realizing that knowing "how to" is not enough, the project is also providing teachers with other online resources that include photographs, copyright-cleared for educational use, round table discussions on a variety

of issues educators may face; presentations on what others are doing with technology; tips on handling technology misuse; and access to a database composed of learning experiences that will aid teachers in effectively integrating technology into their classrooms.

In addition to developing a Web site, the Link-to-Learn team created a CD-ROM, released in October 1997, that contains selected resources from the Web site as well as downloadable software and a tutorial. Thirty thousand copies were distributed to intermediate units across Pennsylvania. Within the next month, 26,000 additional copies of the CD will be pressed and available to higher education institutions.

The Link-to-Learn Professional Development Web site can be accessed at <http://JL2L.ed.psu.edu>. A copy of the CD-ROM can be obtained by contacting Janice Acoslese at (814) 863-1323 or ja88@psu.edu.



A reminder

Don't forget to attend the sixth Annual Quality Expo 11 a.m. to 3 p.m. April 22, at The Nittany Lion Inn on the University Park campus. More than 65 teams will exhibit their quality initiatives in booths set up in the Ballroom. Small group discussions led by William Anderson and Rodney Erickson from Penn State, Robert Geoghe from DuPont and Warren Alpaugh from IBM will be held in the Fireside Lounge. Admissions is free to the public.

Libraries to increase diversity

A new team in the University Libraries sponsored by Dean Nancy Eaton will develop a plan of specific action steps to improve the recruitment and retention of faculty and staff from underrepresented groups.

The team will be led by Robert Seeds, associate librarian and head of the mathematics library. Team members are: Trish Notarotomas, Johanna Ezell, Linda Musser, Jack Sulzer, Sharon Pagano, Tom Manig and Herbert Muhammad. Jack Gido, director of the Pennsylvania Technical Assistance Program (PENNTAP), will facilitate the team.

Gido recently co-authored a book, *Successful Project Management*, with James Clements. The publication focuses on people — the project manager and the project team — as key to project success. Call the Center for Quality and Planning, (814) 863-8721, to borrow a copy.

A correction

In this column on April 2, one of the co-leaders for The Bryce Jordan Center team that will focus on events parking was incorrectly named. The team co-leaders are Kendra Lucas and Holly Munnell.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LE51@PSU.EDU or see the center's Web site at <http://lunaw.psu.edu/president/cqi>.

ARTS & ENTERTAINMENT

AT PENN STATE



On stage

The Center for the Performing Arts presents "Riders in the Sky," a children's show styled after the "Grand Ole Opry," at 1 and 3 p.m. Sunday, April 19, in Eisenhower Auditorium on the University Park campus. For tickets, call (814) 863-0255.

Cinderella at Beaver

The Penn State Beaver Masquers theatre group will present its 30th annual children's show, *Cinderella*, at 12:30 p.m. and 2 p.m. Saturday, April 18, in the Study Learning Center auditorium at Penn State Beaver.

Admission is \$3. Tickets are available at the door. Group reservations are recommended and may be made by calling the Penn State Beaver Masquers information hotline at (724) 773-3940.

The show is adapted and directed by Harvey R. Kelly Jr., assistant professor of speech communications. This will be the last children's show at Penn State Beaver directed by Kelly, who will retire in June.

Dance concert

The Penn State International Dance Ensemble will hold its 20th Anniver-

sary Spring Concert at 7:30 p.m. Saturday, April 18, in Eisenhower Auditorium on the University Park campus.

Tickets are \$12 general admission, \$8 for students. For more information, call (814) 863-0255.

"Israel: 50 Years of Song"

In celebration of Israel's 50th anniversary, entertainer Donny Maseng, off-Broadway and television star, will perform an evening of Israel's finest folk, rock and traditional Israeli music on the University Park campus at 8 p.m. Monday, April 20.

The event, to be held in Schwab Auditorium, is sponsored by Penn State Hillel: The Foundation for Jewish Campus Life and is free to the public. Seating is available on a first-come, first-served basis.

For more information, call (814) 863-3816.

Comedy at Mont Alto

The British comedy "Out of Order" will be performed by the Blue Ridge Theatre Guild at 7:30 p.m. Tuesday, April 21, in the Multipurpose Room, Multipurpose Activities Center, at Penn State Mont Alto.

The Blue Ridge Theatre Guild was founded 17 years ago as a community theatre group and has since expanded to a touring company.

Admission is free to the public. For information, call (717) 749-6156.

Band concert

The Penn State Symphonic Band and Concert Band will conclude the 1997-98 concert season with a joint performance at 7 p.m. Tuesday, April 21, in Eisenhower Auditorium on the University Park campus.

O. Richard Bundy, associate professor of music, and assistant conductor James Latten will lead the Concert Band.

The Symphonic Band will perform at 8:30 p.m., under the direction of Dennis Glocke, associate professor of music, and graduate student Kevin Tutt.

Tickets are \$5 for general admission and \$3.50 for students, and can be purchased through the Arts Ticket Center at (814) 863-0255, or at the door.

Wind Ensemble concert

The Penn State Symphonic Wind Ensemble will present its final concert of the season at 8 p.m. Wednesday, April 22, in the School of Music Recital Hall on the University Park campus.

O. Richard Bundy, associate professor of music; Dennis Glocke, associate professor of music; and graduate student Kevin Tutt will conduct the free concert.

Bach's Lunch

Four voice students in the School of Music will sing at the Bach's Lunch concert at 12:10 p.m. Thursday, April 23, in the Helen Eakin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series sponsored by the College of Arts and Architecture and the University Lutheran Parish.

Singing are: Renee Mitchell, Annie Burrigge and Lachele Jack, all students of Susan Boardman, associate professor of music; and Michael D. Costello, student of Norman Spivey, assistant professor of music.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge in the Eisenhower Chapel. Coffee and tea will be provided.

Ice Rhythms '98

Tickets are now on sale for Ice Rhythms '98, the annual ice skating show, scheduled for 7:30 p.m. Friday, April 24, and Saturday, April 25, at the Ice Pavilion on the University Park campus.

The show, produced by the Ice Pavilion staff, will include group numbers with young students from the instructional programs, and small group numbers and solos by private lesson skaters, members of the professional staff and guest stars.

This year's guest stars are former U.S. National Seniors men's bronze medalist and world team member Dan Hollander of the Detroit Figure Skating Club, and 1998 U.S. National juniors pairs champions and world team members Heather Allebach and Matthew Evers from University of Delaware Figure Skating Club and Red River Valley Skating Club.

Advance ticket prices are \$7.50 for adults and \$5.50 for youths and Penn State students with ID. Tickets purchased on the days of the shows are \$9 for adults and \$7 for youths and Penn State students with ID. Tickets are available at the Ice Pavilion counter or by calling (814) 865-4102. Ice Rhythms '98 is directed by Dena Yeagley with assistant directors Gloria Leous and Julianne Lewis.

Spring events at Abington

The Spring Theater Showcase at Penn State Abington will feature Anton Chekov's "The Seagull." The play, which will begin at 8 p.m., will be performed on April 24 and 25 in the Sutherland Auditorium. Tickets are \$8 for adults and \$5 for students with identification cards.

On Saturday, May 2, at 8 p.m. the Abington Chorale will give its Spring Chorale Concert in the Sutherland Auditorium. The program is free.

For more information, call (215) 881-7368.

Blue and White Concert

The Penn State Glee Club will present the annual Blue and White Concert at 2 p.m. Sunday, April 26, in the Recital Hall of the Music Building on the University Park campus. The concert will include selections by the Hi-Lo's, Penn State's oldest a cappella singing group. The Varsity Quartet also will continue its musical tradition.

Tickets are \$4 for the general public; \$2 for students and children, and will be available at the door.

Palmer fund-raiser

The Friends of the Palmer Museum of Art will hold their annual black-tie fund-raiser to celebrate the museum's 25th anniversary at 6:30 p.m. Friday, May 8, at The Penn State Conference Center Hotel on the University Park campus.

The anniversary spectacular, "Simply Silver," will feature dinner, live and silent auctions and dancing to the music of the Tommy Wareham Orchestra.

Proceeds benefit the Palmer Museum of Art. Reservations will be accepted through April 24. For more information or to make reservations, call (814) 865-7672.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, April 17
"AAA Blues Band," noon, Kern Lobby.
Robin Seymour, gallery talk on "Contemporary Art at the Palmer Museum," 2 p.m., Christoffers Lobby, Palmer Museum.

Arts and Architecture 1998 Awards Convocation, 4:30 p.m., Recital Hall.

Men's Gymnastics, NCAA Finals, 7 p.m., Bryce Jordan Center, through April 18.

Opera Theatre, Susan Boardman, director, 8 p.m., Schwab Auditorium. For tickets, phone (814) 865-0431.

Saturday, April 18
Sarah Renzi, student lecture/recital, 4 p.m., 122 Music Building II.

Melissa Harris, flute, student recital, 4 p.m., Recital Hall.
■ The Penn State International Dance Ensemble, 20th Anniversary Spring Concert, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Opera Theatre, Susan Boardman, director, 8 p.m., Schwab Auditorium. For tickets, phone (814) 865-0431.

Women's Choral, Robert Draball, director, 8 p.m., Recital Hall.

Sunday, April 19
"Riders in the Sky" 1 and 3 p.m., Eisenhower Auditorium. For tickets, phone (814) 863-0255.

Singing Lions, Peter Kiefer, director, 1:30 p.m., Recital Hall. For tickets, phone (814) 865-0431.

Jennifer Pawloski, gallery talk on "The Hudson River School Landscape," 2 p.m., Christoffers Lobby.

Oriana Singers, Lynn Draball, director, 4 p.m., Recital Hall. For tickets, phone (814) 865-0431.

Blake Hoppes, piano, student recital, 4 p.m., 122 Music II.

Lawrence Moore, saxophone, graduate recital, 8 p.m., Recital Hall.

Steven Grazzini, piano, student lecture/recital, 8 p.m., 122 Music II.

Monday, April 20
■ "Unstated," film, 11 a.m. to 2 p.m., April 20, HUB Assembly Room; 11 a.m. to 2 p.m., April 21, HUB Assembly Room; 7 to 10 p.m., April 21, Paul Robeson Cultural Center; 11 a.m. to 2 p.m., April 22, HUB Assembly Room; 8 p.m., April 24, Findlay Dining Commons; 8 p.m., April 25, Pollock Rec Room; 7 p.m., April 26, 121 Sparks.

George Clinton and the P-Funk AllStars, 8 p.m., Recreation Hall.

Tuesday, April 21
The Penn State Symphonic Band and Concert Band, 7 p.m., Eisenhower Auditorium.

Wednesday, April 22
Second Annual Celebration of Diversity in the Arts: Charles Dumas, 2:30 p.m., Palmer Museum Auditorium; Richard Nichols performance, 8 p.m., Pavilion Theatre; and Symphonic Band Concert, 8 p.m., Recital Hall.

"Take Back the Night Rally and March," 6 p.m., Old Main Steps.

■ "An Evening of Kyogen," 8 p.m., Pavilion Theatre, through April 27. For tickets, call (814) 863-0255.

Symphonic Wind Ensemble, Dennis Glocke, conductor, 8 p.m., Recital Hall.

Thursday, April 23
Bach's Lunch, voice students, 12:10 p.m., Eisenhower Chapel.

Faculty forum, Yulius Osagie on the film "Amistad," 1 p.m., Paul Robeson Cultural Center.

Penn State Travel Fair '98, 2 p.m., The Nittany Lion Inn Ballroom.

Hannah Rimm, chamber music, student recital, 8 p.m., Recital Hall.

Friday, April 24
David Gilem, gallery talk on "American Prints between the Wars," 2 p.m., Christoffers Lobby, Palmer Museum.

Ice Rhythms '98, 7:30 p.m., Ice Pavilion. For tickets call, (814) 865-4102.

Saturday, April 25
Essence of Joy, Anthony Leach, director, 5 p.m., Recital Hall.

For tickets, call (814) 865-0431.

Jessica Walters, piano, student recital, 8 p.m., Recital Hall.

Shawna Gluck, piano, student recital 8 p.m., 122 Music II.

Sunday, April 26
Concert Choir and University Choir Chapel Service, 11 a.m., Schwab Auditorium. For tickets, call (814) 865-0431.



Mark your calendar

The Penn State International Dance Ensemble will hold its 20th Anniversary Spring Concert at 7:30 p.m. Saturday, April 18, in Eisenhower Auditorium on the University Park campus. For more information, call (814) 863-0255.

Photo: Greg Grieco

Glee Club Concert, Bruce Trinkley, director, 2 p.m., Recital Hall. For tickets, call (814) 865-0431.

Scott Davis, clarinet, student recital, 8 p.m., Recital Hall.

SEMINARS

Friday, April 17

■ John Connor on "Future of the U.S. Food System in a Global Economy: The Northeast's Role," 10 a.m., Palmer Museum Auditorium.

Richard Chait on "Tensure and its Alternatives in the University of the Future," 10 to 11:30 a.m., The Nittany Lion Inn.

David Scott on "Learning to Change: The University as a Learning Organization," 11:30 a.m. to 1 p.m., The Nittany Lion Inn Ballroom.

Roslyn Millman on "Highways, Byways and Politics in America: The Fabrication of U.S. Transportation Policy," 4 p.m., 206 Walker.

■ Fred Gardaphé on "Linguine and Lust: Food and Sex in Italian/American Culture," 4 p.m., 151 Willard.

Monday, April 20

Suzanne Clark on "The Natural History of Modernism," 12:40 to 1:20 p.m., 101 Kern.

■ David Thurston on "International Agriculture: Career Experiences, Current Needs and Opportunities," 3:35 to 4:30 p.m., 112 Buckhout Laboratory.

Douglas Osheroff on "The Nature of Discovery in Physics," 8 p.m., 112 Kern.

Tuesday, April 21

Paul H. Steen on "How does an Object Break? Capillary Collapse of a Film Bridge" 10 a.m., 140 Fenske Laboratory.

Hans Peter Duerr on "Physics, Biology and Medicine," noon, 358 Patchard.

Bryan Wiltch on "Challenging the Nature Conservation Cowboys: Recognizing the Cultural Landscape in New Zealand," noon, 319 Walker.

■ David Post, Leif Jensen and David Abler on "Children's Roles in the Family Economy Since the Mid-1980s in Chile, Peru and Mexico," noon to 1 p.m., 406 Oswald.

Douglas Osheroff on "Understanding Superfluidity in ^3He ," 3 p.m., 101 Osmond Laboratory.

David Ward on "Change and New Directions in the University," 3 p.m., The Penn State.

Peter Volk on "Genetic Analysis of Heterocyst Formation," 4 p.m., 8 Mueller Laboratory.

Jeremy Brown on "Surviving Violence and the Struggle to Heal," 7 p.m., HUB Gallery Lounge.

Wednesday, April 22

Lindy Brigham on "Regulation of the Antimicrobial Naphthoquinones in *Lithospermum erythrorhizon* Roots," 12:20 to 1:10 p.m., 111 Tyson.

Douglas Osheroff on "Nuclear Spin Ordering in Solid ^3He : A Model Magnetic System," 3 p.m., SS Osmond Laboratory.

Caryn Goodman on "Family Relationships and Age-Related Vision Impairments," 4 to 5 p.m., 110 Henderson.

■ Paul B. Harvey on "Parthenogenesis: The Persistence of Hellenic Culture in Roman Naples," 4:30 p.m., 205 Burrows.

Hank Aaron on "Chasing the Dream," 8 p.m., Bryce Jordan Center.

Thursday, April 23

Samuel H. Gellman on "Heteropolymer Folding: Proteins and Beyond," 12:15 p.m., SS Osmond Laboratory.

Douglas Osheroff on "The Importance of Interactions Between Active Defects in Glasses at Low Temperature," 3 p.m., 101 Osmond Laboratory.

■ Greg Sheridan on "Asia's Financial Meltdown and New Challenges to Asia's Leaders: An Australian Perspective," 3:45 p.m., Eisenhower Chapel Memorial Lounge.

Friday, April 24

Frank R. Tittel on "Detection of Trace Gas Contaminants Using Infrared Diode Laser-Based Methods: From the Laboratory to Space," 2:30 p.m., SS Osmond Laboratory.

Larry McLenan on "Small v Physics and Why it is Interesting," 3 p.m., 339 Davey Laboratory.

Toby Parcel on "From Welfare to Work: Implications for Children in the 21st Century," 3:30 to 5 p.m., 103 Willard.

Lakshman Yapa on "How Social Science Helps Perpetuate Poverty," 4 p.m., 206 Walker.

Saturday, April 25

Richard L. Shultz on "Raw Material Challenges of the Dynamic New Steel Industry, Will They Be Met?" 10:30 a.m., 112 Stedie.

EXHIBITS

Computer Building

"Naked and Not Ashamed," by Tia Dillard, through April 30.

HUB Browning Gallery

Pennsylvania Council on the Arts Exhibition, "The Celebration of Visual Traditions: Part V," through May 17.

HUB Formal Gallery

■ David Donigty exhibits terra cotta plates, through April 25.

HUB Sculpture Corner

"Peace Talks," by William Egert, through May 21.

Kern Exhibition Area

Wildlife and scenic photography by Cecil and Doris Trueblood, through May 10.

North Helle Cultural Lounge

Ceramic pieces by Paul Zuber, through May 7.

"Peace Talks," by William Egert, through May 21.

Twentieth Anniversary Exhibition II: Modern and Contemporary Prints, through June 14.

"All That is Glorious Around Us: Paintings from the Hudson River School," through May 17.

Wering Hall Multi Purpose Room

Simon Bray exhibits his acrylic works, through April 29.

Zoller Gallery

M.F.A. Exhibition by Charles Farrell and Stacy Snyder, through April 24.

M.F.A. Exhibition by Krista Hostle and Scot Parady, April 25 through May 4.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL: <http://cac.psu.edu/calendar/>



Preparing the greens

Rebecca Malis, a member of the grounds crew, and graduate student Eric Waltman, were spotted watering the putting greens on the Blue and White golf courses on the University Park campus on a warm day last fall. The courses, plus a new, four-hole practice course, are now open. For information, call (814) 865-GOLF. For tee times, call (814) 865-1-TEE.

Photo: Greg Grleco

Departments will need to change some procedures for new id+ cards

The new University ID card — Penn State id+ — goes into place on June 7 and for greater privacy and security will not display the nine-digit student number on the front of the card. Instead, the student number will be encoded on the magnetic strip on the back of the card. Departments that currently conduct face-to-face business with students and obtain the student number from the ID card may want to consider using a card reader. When connected to a PC, a card reader can quickly identify a student number from the magnetic strip.

Departments currently using card readers should note that the encoding format on the magnetic strip is changing with the new id+ card. Existing card reading systems will have to be modified to read the new card. University employees responsible for the administration of card reading systems should obtain new card encoding specifications and a test card.

For more information, contact Joel Weidner, id+ project manager, at jlw2@psu.edu.

Promotions

Staff

Juliet A. Avery, staff assistant VII at Penn State Worthington Scranton.

Heather M. Bean, staff assistant VI in College of Engineering.

Karen S. Berlew, staff assistant VI at Penn State Wilkes-Barre.

Brenda M. Bernatowicz, regional director in College of Agricultural Sciences.

Terry D. Blesh, coordinator, research and administrative services in Applied Research Laboratory.

Edward F. Boone, advanced engineering aide in Applied Research Laboratory.

Violet C. Byron, financial aid coordinator at Penn State Worthington Scranton.

Judy I. Carr, staff assistant VI at Penn State Worthington Scranton.

Mark A. Catalan, systems coordinator in College of Engineering.

Linda M. Cominsky, staff assistant VI at Penn State Worthington Scranton.

Denise C. Connelly, staff assistant VII in College of Agricultural Sciences.

Sheila L. Corl, staff assistant VIII in College of Engineering.

Jamie A. Corman, staff assistant VI in Eberly College of Science.

Dana M. Coval, staff assistant VII in Eberly College of Science.

Jeffrey H. Davidson, applications programmer/analyst in Computer and Information Systems-Administrative Systems.

Frederick W. Davis, regional director in College of Agricultural Sciences.

John M. Dickson, head, productions in College of Agricultural Sciences.

Ellen M. Dietrich, director, program development and enrichment in Division of Development and Alumni Relations.

Carol S. Fultz, staff assistant VI in Eberly College of Science.

Linda S. Gingell, administrative assistant I at Penn State Harrisburg.

Teresa L. Grove, staff assistant IV in Office of Human Resources.

Cheryl A. Hatch, staff assistant VI at Penn State Altoona.

Wayne J. Holmberg, assistant research engineer in Applied Research Laboratory.

Deborah R. Klevans, director, outreach program planning in Continuing and Distance Education.

Cinda B. Kostyak, advising program coordinator in College of Communications.

Susan E. Knell, director, cooperative education program in Eberly College of Science.

Kathy B. Ricker, human resources assistant in College of Agricultural Sciences.

Michael S. Rineer, senior support and training analyst in The Smeal College of Business Administration.

Susanna E. Ritti, producer/director in Continuing and Distance Education.

Jacklyn S. Rosenfeld, director, outreach marketing communications in Continuing and Distance Education.

Gregory E. Seeger, engineering aide in Applied Research Laboratory.

Angela M. Schuback, staff assistant VI at Penn State Worthington Scranton.

Eve B. Schwartz, research support assistant in College of Health and Human Development.

Marla J. Scolastico, staff assistant VI at Penn State Berks-Lehigh Valley.

Steven R. Severance, library assistant II at Penn State Delaware County.

Elaine Shull, staff assistant V at Penn State Delaware County.

Wayne D. Smutz, associate director, continuing education in Continuing and Distance Education.

Jennifer L. Spence, staff assistant VIII in Student Affairs.

Celeste C. Stalk, administrative assistant II in College of Medicine.

Melinda M. Stearns, director, outreach client development in Continuing and Distance Education.

Rose M. Stewart, staff assistant VIII in Applied Research Laboratory.

Nancy A. Struble, training specialist I in University Libraries.

Sharon M. Symanovich, assistant to the dean, administrative services in College of Communications.

William R. Valonis, lead applications programmer/analyst in The Smeal College of Business Administration.

Carol L. Walker, staff assistant VI in Office of Human Resources.

Denise C. Wagner, supervisor, graphics services in Computer and Information Systems-Center for Academic Computing.

Minijoy Weaver, supervisor, dining room at The Nittany Lion Inn.

Rayna J. Wendell, regional field director II in Division of Development and Alumni Relations.

Joan C. Willert, financial aid coordinator at Penn State Berks-Lehigh Valley.

Georgianna J. Williams, staff assistant VI in Student Affairs.

David P. Wilson, director, education resources at The Hershey Medical Center.

Cynthia L. Yearick, residence hall utility worker in Housing and Food Services.

Eleanor R. Zindler, staff assistant VI in Continuing and Distance Education.

Technical Service

Darrel E. Bakner, mechanic A, water treatment, carpenter and roofer at Penn State Mont Alto.

Michael S. Baronner, group leader, landscape A at Penn State Altoona.

Timothy E. Bruce, maintenance worker, general B at Penn State Altoona.

Gregory A. Butts, lead insulator, steam trap maintenance in Office of Physical Plant.

Kenneth E. Grubb, lead painter in Office of Physical Plant.

Frank M. Hassinger, lead carpenter in Office of Physical Plant.

Robert F. Haynes, group leader, maintenance worker utility at Penn State York.

Mary M. Klink, maintenance worker utility at Penn State Fayette.

Lloyd M. Loose, boiler operator in Office of Physical Plant.

Faculty/Staff Alerts

Computer expo

Mark your calendar for the 1998 Faculty/Staff Computer Expo from 10 a.m. to 3 p.m. Monday, April 20, in The Nittany Lion Inn Boardroom on the University Park campus.

This event, sponsored by the Microcomputer Order Center (MOC), is designed to give faculty and staff an opportunity to meet with computer hardware and software vendors and to see the latest products. Vendors such as Dell, Apple, IBM, Hewlett Packard, Adobe, Epson, Digital and 3COM will be on hand. Attendees can register to win prizes, and refreshments will be served.

For more information, visit the MOC Web site at <http://moc.cac.psu.edu> or call (814) 865-2100.

Fulbright workshop is April 20

An information session and application workshop on the 1999-2000 Fulbright grant program for faculty will be held at 5:45 p.m. Monday, April 20, in 104 Thomas Building on the University Park campus.

Gary Garrison of the Council for International Exchange of Scholars, which administers the Senior Fulbright Program, will discuss application procedures. Joining Garrison will be recent Fulbright recipients, who will share their experiences.

Fulbright grants enable faculty to pursue scholarly, research or lecture projects outside the United States. They are appropriate for scholars at all stages of their careers, and can be easily integrated into a sabbatical project.

The workshop is open to all faculty. Some faculty at other Penn State locations plan to participate by teleconference. Applications and information packets will be distributed at the workshop.

For more information, contact Janet Haner at (814) 863-7010 or jah@psu.edu, or John Keller at (814) 863-1603 or jmk13@psu.edu.

Travel fair

"The Penn State Travel Fair '98," an opportunity to talk with the University's travel suppliers, will be held from 10 a.m. to 2 p.m. April 23 at The Nittany Lion Inn Ballroom on the University Park campus. The first 100 people attending will receive a door prize. There also will be drawings for airline tickets, rail passes and other items. The event is sponsored by Penn State Travel Services. Employees of the Office of Business Services are not eligible for drawings.

Spring luncheon

The University Women's Club members and their guests may attend to the Annual Spring Luncheon at the Elk's Club in Boalsburg on Thursday, April 23. A reception will begin at 11:30 a.m. followed by a noon luncheon. The program will feature a unique fashion show. To make your reservation, call Susan Klein at (814) 237-3850 by April 20.

Women's career seminar planned

Women seeking educational and career information to help them deal with changing life circumstances may attend the upcoming Women's Education, Career and Life Planning Seminar Series sponsored by the Center for Adult Learner Services, Career Services and the vice president for student affairs.

This three-part series is designed to help women learn more about themselves, their career interests and options, and the educational programs offered at Penn State. The seminar will be held on three Saturday mornings, May 9, 23 and 30 from 9 a.m. until noon. Participants must be able to attend all three



Practice makes perfect

Alec, one of the lead dancers in the Bolshoi Ballet troupe, stretches his muscles during a rehearsal at The Bryce Jordan Center on the University Park campus. The troupe performed at University Park April 8.

Photo: Greg Grieco

sessions. The registration fee for this program is \$20 and the registration deadline is Friday, April 24.

Tineke Cuning, Career Services counselor, and Betsy Baird, assistant director of the Center for Adult Learner Services, are the program directors. To register or for more information, call the Center for Adult Learner Services at (814) 863-3887.

Swimming classes

The McCoy Natatorium on the University Park campus will offer its six-week session of competitive age group swimming for ages 6 and up starting April 27. For more information, call Jon Larson at (814) 863-3945.

Undergraduate scholarship

Sophomore students are invited to apply for the Sylvia Stein Memorial Space Grant Scholarship. One scholarship recipient will receive \$7,500 for the 1998-99 academic year. The deadline for applications is April 27. Information and applications are available from The Pennsylvania Space Grant Consortium, 101 S. Frear, University Park, (814) 863-7688, or on the Web at: <http://www.psu.edu/spacegrant>

Paterno on PBS

Head Football Coach Joe Paterno will be profiled on a new PBS special called "Ageless Heroes," airing at 9 p.m. Wednesday, April 29, on WPSX-TV. The one-hour special captures the spirit, vitality and potential of men and women who have achieved success and continue to do so beyond the age of 65.

Paterno is currently in his 48th year as a member of the Penn State football staff and in his 32nd year as head coach at one of the nation's powerhouse football institutions. He has a career record of 289 wins, 74 losses and three ties, and ranks fourth on the all-time college career victory list.

Among the other heroes saluted are singer, dancer and actress Eartha Kitt; journalist Helen Thomas; modern dancer and choreographer Merce Cunningham; and civil rights activist and former United Nations Ambassador Andrew Young.

Outreach internship opportunity

All faculty and staff members who have been actively and directly involved in outreach activities at the University for a minimum of two years are eligible to apply for the 1998-99 Penn State Outreach Internship Program. The application deadline is May 1.

Sponsored by Outreach and Cooperative Extension, the new internship program will provide participants with an enhanced understanding of Penn State's outreach mission; greater knowledge of the sponsoring organizations and their relationships to

each other and to other outreach programs throughout the University; and a broader vision of potential expanded relationships between each intern's work and other outreach units.

Twelve internships, each one week in length, will be awarded for the 1998-99 academic year. Internships may be based at University Park, at one or more Continuing Education or Cooperative Extension locations across the state or some combination of these locations.

Each intern will have an opportunity to design an individualized program focusing on one or more areas or issues of interest within the broad scope of outreach and cooperative extension at Penn State. More information and application forms are available from Staff Development, 307 Agricultural Administration Building, University Park; phone at (814) 863-1209. Nominations are encouraged; an application form will be sent to the nominee.

Town meeting

A town meeting is planned for 3 p.m. May 14 in Dean's Hall at The Penn State Conference Center Hotel on the University Park campus to update the community on Penn State's five-year construction program. More details will follow at a later date.

WPSX meets its goal

On the final evening of its spring membership campaign, Penn State's public broadcasting station, WPSX-TV, Channel 3, surpassed its \$140,000 goal. Nearly 1,600 pledges were made during the drive, which raised a total of \$140,182.

During the course of the broadcast year Channel 3 will spend \$1.5 million to purchase, produce and broadcast programming. Of that amount the station must raise 55 percent from individuals in the viewing area. The remainder comes from area businesses and other sources.

Channel 3 has more than 15,000 members. The service is supported by a partnership of families, individuals, foundations, corporations and government.

Brochures available

Two new brochures are available from the Office of University Relations. *Penn State Is ...*, a 16-page booklet, contains general information about the University's mission, faculty and student body, structure and governance, finances, and academic accomplishments. *How Penn State Is Funded*, updated from last year's edition, explains the various sources of income that make up the University's total operating budget. To request copies of either publication, call (814) 863-1073 or e-mail als@psu.edu.

Awards

Two earn the rank of distinguished professor

Two engineering professors, Gary H. Koopmann and John M. Tarbell, have been selected to receive the title of Distinguished Professor.

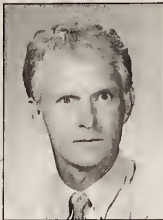
The distinguished title is awarded to a limited number of outstanding professors in each college. The title is bestowed in recognition of their exceptional records of teaching, research and service to Penn State.

Koopmann, distinguished professor of mechanical engineering and director of the Center for Acoustics and Vibration (CAV), has helped make the College of Engineering a better place to learn and work, and his research at Penn State has helped raise the University's national reputation. His undergraduate courses are in high demand and his students rate him highly for his mentoring and commitment to their education. His graduate students are in exceptional demand by industry and academia for their excellent training and skills. In supervising his students, he goes beyond academic matters, nurturing their entire well-being.

Koopmann is well-known internationally for his pioneering research in noise control and acoustics



GARY H. KOOPMANN



JOHN M. TARBELL

which has made a substantial impact across numerous technologies. He is a Fellow of the ASME and ASA, and has received numerous awards for his research and professional service. After receiving a Ph.D. in mechanical engineering from the Catholic University of America, Koopmann held appointments at the Institute of Sound and Vibration

Research in Southampton, England, and the University of Houston before joining the faculty at Penn State in 1988.

Tarbell, distinguished professor of chemical engineering, has provided important and valuable service at all levels of the University for more than 20 years. His national and international reputation in biomedical research is well known. Even though Tarbell teaches several difficult, core undergraduate chemical engineering courses, students consider him one of the department's top teachers. He was voted the top chemical engineering faculty member in 1992, and has been honored with other teaching awards.

Tarbell's biomedical research in fluid mechanics problems associated with blood flow places him among the top investigators in the United States in this field. He recently received a Whitaker Foundation Award to establish a graduate program in biomolecular transport dynamics. He is a Fellow of the American Institute of Medical and Biological Engineering and has received numerous awards for his research and professional service.

National award goes to director of minority program

Sandra D. Johnson, director of the College of Engineering's Minority Engineering Program, has received the award for Outstanding Contribution by Minority Program Administrator from the National Association of Minority Engineering Program Administrators.

The award recognizes individuals who have distinguished themselves by making exemplary contributions to the minority engineering effort.

Johnson has served as director of the Minority Engineering Program since 1994. She has developed numerous programs for underrepresented engineering students at the pre-college, undergraduate and graduate levels.

Johnson has assumed a leadership role in the college and University in minority affairs, serving as the chair of the Council of College Directors of Minority Programs from 1994 to 1996; a member of the Advisory Council for Educational Equity Programs; and a member of the College's Continuous Quality Improvement Committee for Minorities in Engineering.

Before coming to Penn State, Johnson worked as an engineer for Bechtel Power Corp. from 1987 to 1994. She served as a corporate representative on many of the college's advisory committees from 1989 to 1993 before her current appointment.

Johnson earned her B.S. in civil engineering from Penn State in 1986. She holds memberships in numerous professional organizations.



SAUNDRA D. JOHNSON

Law professor earns second Fulbright

Laurel Terry, a member of the faculty of The Dickinson School of Law, has received the second Fulbright Scholarship of her law teaching career in connection with research in the area of international and comparative regulation of lawyers.

Specifically, Terry will spend her sabbatical studying multidisciplinary partnerships between lawyers and accountants, a relationship that is permitted in Germany but is banned almost everywhere in the United States. Terry received her first Fulbright research grant in 1991-92, during which she did a comparative study of Austrian and American legal ethics.

Penn State ranks third in the nation among the 900 participating universities in the number of Fulbrights received by its faculty. Louis F.



LAUREL TERRY

Del Duca, Law School associate dean, also is a two-time Fulbright recipient.

Terry has been a member of the Law School faculty since 1985. She teaches courses in civil procedure, professional responsibility, advocacy and cross-border legal practice, one of the few courses of its kind offered in the United States. She is vice chair of the Pennsylvania Bar Association's Committee on Legal Ethics and Professional Responsibility and a frequent lecturer on topics relating to legal ethics. In June,

she will speak at the Southwestern Legal Foundation's International and Comparative Law Center Symposium on Private Investments Abroad. Her topic will be the "Future Role of Merged Law and Accounting Firms."

Assistant professor wins Young Investigator Award

Farhan Gandhi, assistant professor of aerospace engineering, has been awarded an Army Research Office Young Investigator Award.

Gandhi will research the "Use of Aeroelastic Couplings and Multi-Point Optimization to Design Dampers, Aeromechanically Stable Helicopters."

During the operation of a typical helicopter rotor, the blades undergo a variety of motions such as flapping, lead-lag and pitching motions due to the inertial and aerodynamic forces experienced by the blades. The blade motions can interact with the motions of the helicopter fuselage, leaving the aircraft vulnerable to violent instabilities. The most common solution is using lead-lag dampers on the rotor. The solution has its drawbacks, however. The dampers lead to an increase in rotor hub complexity and aerodynamic drag, maintenance require-

ments and significant degradation in performance in certain conditions.

Gandhi's work seeks to develop helicopter rotors that are inherently stable without the use of auxiliary dampers. Gandhi received his B.S. in aeronautical engineering from the Indian Institute of Technology in Bombay, India, and his M.S. and Ph.D. in aerospace engineering from the University of Maryland. His honors include the U.S. Army Rotorcraft Fellowship and the American Helicopter Society Vertical Flight Foundation Fellowship.

Gandhi holds memberships in the American Institute of Aeronautics and Astronautics and the American Helicopter Society, where he serves as the deputy chairman of the Aircraft Design Technical Committee.

Awards

"Emperor of Ice Cream" a Distinguished Alumnus

Philip Keeney, professor emeritus of food science and a researcher so identified with ice cream that he is known nationwide as "The Emperor of Ice Cream," has been named a 1998 Penn State Distinguished Alumnus—the University's highest alumni award.

Keeney is renowned within the ice cream industry for his breakthrough research on how fat emulsions affect the structure of ice cream during freezing. He also made significant contributions to research on the textural properties of corn syrups and developed microcrystalline cellulose as a texture and structural agent in ice cream.

After serving as a U.S. Army Air Corps B-24 bombardier from 1943-1945 in the Pacific Theater of Operations during World War II, Keeney entered the University of Nebraska, earning a B.S. in dairy technology in 1949. He earned an M.S. in dairy technology



PHILIP KEENEY

from The Ohio State University in 1953 and earned his doctorate in dairy science from Penn State in 1955.

Keeney joined the Penn State faculty in 1955 as an assistant professor of dairy science. He was promoted to associate professor in 1962 and became a full professor in 1966. He became a member of the food science

department when Penn State designated the dairy

manufacturing major as part of the food science program in 1975. He served as food science department head from 1980 to 1985.

Keeney was director of the Penn State Ice Cream Short Course from 1955 until his retirement in 1985. Keeney continues to help teach the course every year. He also directed Penn State's research on the chemistry of the cocoa bean and other chocolate-related projects from 1962 until his retirement.

Keeney is a life member of the Penn State Alumni Association and is serving his third, three-year term on the board of directors of the association's Centre County chapter. He also serves on several national boards and is a member of numerous organizations. Since his retirement, he has helped form the Ice Cream Consortium, a forum that brings together independent ice cream companies from around the world to exchange information.

Trustee honored as Alumni Fellow

David Morrow of State College, professor emeritus in Michigan State University's College of Veterinary Medicine, has been named an Alumni Fellow by the Penn State Alumni Association. Morrow is now a consulting veterinarian and owner-manager of Arch Spring Farm, Tyrone.

Morrow graduated with high honors from Penn State in 1956, earning a B.S. in dairy science. He received his D.V.M. in 1960 and his Ph.D. in 1967, both from Cornell University.

A former faculty member at Cornell and Michigan State universities, Morrow has published more than 200 professional and technical articles and spoken at more than 200 state, regional, national and international agricultural and veterinary meetings. He is past national president of the veterinary medicine honor society Phi Zeta; charter diplomat of the American College of Theriogenologists; and a member of the Society of Theriogenology, the American Veterinary Medical Association and the



DAVID MORROW

American Association of Bovine Practitioners.

Morrow is active in many facets of Penn State. He is a member of the university's Board of Trustees, elected by agricultural societies. In addition, he is past president of the Penn State Alumni Association and a member of its executive board, past president of the College of Agricultural Sciences Alumni Society, and member of various societies and groups. He has received several honors and awards, including the World Dairy Expo's Industry Person of the Year Award in 1997.

In connection with the Alumni Fellow honor, Morrow will visit campus this fall to interact with faculty, staff and students.

The Alumni Fellow award, the highest award presented by the Penn State Alumni Association, is administered in cooperation with the academic units. The Board of Trustees has designated the title of Alumni Fellow as permanent and lifelong.

Several honored at Harrisburg

Several faculty and staff members at Penn State Harrisburg were recently honored for their contributions. Receiving special recognition were:

■ Betty Fortner, associate professor of education and reading, who received the Faculty Service Award;
■ Rita Gentzler, assistant professor of sociology and community psychology, who received the Kay Townsend Women's History Award;

■ Simon Bronner, distinguished professor of folklore and American studies, who received the Faculty Research Award;

■ The Excellence in Teaching Award was given to Janet Greenlee, assistant professor of professional accountancy; and

■ Wayne Mills of the Mail Communications Processing Center received the Staff Service Award.

Appointments

Affirmative Action Office welcomes senior specialist to staff

Alan S. Finney was named senior affirmative action specialist in the Affirmative Action Office, Office of the President.

He is primarily responsible for coordinating the University's response to discrimination complaints filed with external agencies, such as the Pennsylvania Human Relations Commission, the Equal Employment Opportunity Commission and the Office for Civil Rights in the Department of Education. Finney also will assist in investigating and mediating disputes based on alleged discrimination within the University.

Finney earned a bachelor of science degree with high distinction in human development and family studies from Penn State in 1983, and graduated cum laude with a J.D. degree in 1997 from the University of Pittsburgh School of Law. He was admitted to the Pennsylvania Bar Association in 1997.

In the past, Finney has served as a legal intern with the Legal Aid Society of Southwestern Pennsylvania; the Elder Law Clinic at Pitt; as an intern for the Hon. Timothy J. Lewis, U.S. Court of Appeals, Third Circuit; and for the Pennsylvania Human Relations Commission.



ALAN S. FINNEY

He previously worked for Penn State as assistant director for the Pennsylvania Governor's School for the Agricultural Sciences in the College of Agricultural Sciences.

Head women's swimming coach named assistant athletic director

Bob Krimmel, head women's swimming coach at Penn State since 1981, has been named assistant athletic director. Krimmel succeeds Rich Lucas, who retired on March 31.

As assistant athletic director, Krimmel, who graduated from Penn State in 1973, will be responsible for 13 men's sports.

Fran McDermid has been named interim head coach for the women's swimming program. McDermid, nine-time Lady Lion All-American, has been Krimmel's assistant for the last two years. The Lady Lions ranked first in the nation academically for the 1996-97 season among Division I institutions.

McDermid is one of the Lady Lions' all-time best performers. McDermid earned a place in Penn State's athletic history by capturing the first individual Big Ten title in any sport. She collected four Big Ten individual titles, a standard unmatched by any athlete in any Penn State sport.

Partings

Assistant professor of engineering research served for 35 years

John Macaluso, assistant professor of engineering research with the signal processing department, has retired after 35 years of service. After he joined the Ordnance Research Laboratory, now the Applied Research Laboratory, at University Park as a research assistant in 1962, he began a career that focused on electrical engineering design and underwater acoustics. At a later stage in his career, he specialized in wave propagation phenomena, underwater acoustics, signal detection and information processing systems. Overall, he enjoyed meeting the challenges of his profession and developing unique solutions to problems.



JOHN MACALUSO

Macaluso, who grew up in Philadelphia, received his bachelor's degree in electrical engineering from Villanova University in 1960, his master's degree in electrical engineering from Penn State in 1965, and his doctorate in engineering acoustics from Penn State in 1970. Additionally, he was awarded the professional engineering license to practice in Pennsylvania. Before joining ARL, he worked at Remington-Rand Univac as a systems development engineer.

During a sabbatical leave to study at the University of Minnesota in 1977, Macaluso designed, built and studied a mini-reverberant chamber to investigate the sound absorbency of various materials for use in a proposed sound room to be used for microjets. He has been the author of numerous publications and in-house reports and holds patent on a high-speed (tunnel diode) binary switch.

During his retirement, Macaluso intends to keep busy with church activities, building projects, his grandchildren, swimming, walking and traveling.

Senior research engineer retires after 38 years of service

Floyd Reeser, a senior research engineer in the Guidance and Control Department, retired from the Applied Research Laboratory after 38 years of service.

During the early years of his career, Reeser participated in a continuing research torpedo program and became involved with the development and testing for the system that eventually became the Mark 48 torpedo. In addition, he spent several years as an independent troubleshooter and developed improved tactics and signal processing. By 1972, Reeser began acting on behalf of ARL in solving problems with other laboratories, government agencies and industry. Later he designed the tests and system modifications required for Mark 48 torpedo tests conducted in the Arctic. Additional tasks ranged from self-noise programs, ring laser gyros, helicopter-towed sonar, submarine target strength and signal processing.



FLOYD REESER

Reeser received several awards for his career achievements: the Chief of Naval Research Certificate of Commendation in 1992; the ARL Distinguished Performance Award in 1994; and the Office of Naval Research Certificate of Commendation for Special Activities in 1996. He spent two years as a visiting scientist and received several patents relating to torpedo control, system processing and detection improvements, and torpedo operation.

Reeser grew up in Freeport, Pa. After leaving the Army, he went to Penn State, where he received bachelor's and master's of science degrees in electrical engineering. Upon graduating, he worked for IBM then returned to Penn State in 1959.

This spring, he and his wife, Elizabeth, will fly across the Atlantic and explore Ireland. They also plan to build a home in Honduras and live there for several months each year.

Assistant professor is ready to travel

Virginia L. Fortney, assistant professor of kinesiology, has retired from the College of Health and Human Development after 32 years of service. Fortney began her Penn State career in 1965 as an instructor in the Department of Health and Physical Education and became an assistant professor of exercise and sports science in 1974.

While at Penn State, Fortney has worked as a faculty affiliate with the Gerontology Center, and an associate scientist of the Center for Child and Adolescent Health and Behavior. Her research has focused on the motor patterns of children, as well as the biomechanics of Olympic gymnasts, specifically vaulters, at the Seoul and Barcelona games. In addition, she has been a member of the University Faculty Senate, served as an adviser to both undergraduate and graduate students, and taught several courses in the department's professional program.



VIRGINIA L. FORTNEY

Fortney received her bachelor's degree in physical education and biology from the University of Illinois in 1956, her master's degree in physical education from the University of Wisconsin-Madison in 1964, and her doctorate in physical education and child development from Purdue University in 1980.

In 1956, Fortney began teaching at Woodstock Elementary Schools in Woodstock, Ill. She continued working with children at the Dependents' Education Group in Mannheim, West Germany, and the Princeville High School in Princeville, Ill. In 1961, she became an instructor for the Department of Physical Education and Dance at the University of Wisconsin-Madison.

In retirement, Fortney looks forward to traveling, fly fishing in Montana this summer, and spending time with her family and friends.

Professor retires with emeritus status

Moylan C. Mills, professor of integrative arts, retired with emeritus status. Mills headed the integrative arts department at Penn State Abington from 1992 until his retirement.

With a journalism degree from Penn State in 1952, Mills started working for the *Reading Eagle* as a reporter and feature writer while doing some book editing on the side. His education was interrupted when he was drafted and began work for U.S. counterintelligence as a special agent in West Berlin and Munich, West Germany. Mills returned to Penn State to earn a master's degree in English in 1957.

Mills began as an instructor of English in 1960 at the then-Ogontz campus, and was promoted to associate professor and chair in 1965. He also

directed academic affairs and acted as CEO at the Ogontz campus.

Mills earned his Ph.D. from the University of Pennsylvania in 1974. He was a book reviewer for Philadelphia papers, published papers in journals of several disciplines and designed collaborative courses. He helped design the integrative arts department in 1990 and was chosen as department head in 1992. He has won numerous awards.

While Mills has retired from administrative duties connected with the department, he will continue teaching at Abington. He has essays forthcoming in several journals and was recently named the editorial reviewer for the *Journal of the Association for the Interdisciplinary Study of the Arts*.

Several employees retire

Alan Davis, professor of geology in the College of Earth and Mineral Sciences, from Jan. 1, 1973, to Nov. 1, 1997.

John J. Henry, professor of mechanical engineering in the College of Engineering, from Sept. 15, 1971, to Feb. 1.

J. Dean Jansma, professor of agricultural economics in the College of Agricultural Sciences, from July 1, 1964, to Feb. 5.

Marjorie Podolsky, lecturer in English at Penn State Erie, from Aug. 31, 1981, to Jan. 1.

Diane R. Wolf, staff assistant V at Penn State Delaware County, from Sept. 1, 1983, to Feb. 17.

Linda L. Zimmers, library assistant III in University Libraries, from Jan. 1, 1962, to Jan. 1.

Small-scale fires key to understanding forest structure

By A'NDREA ELYSE MESSER
Public Information

For 94 years, forest caretakers have restricted Mother Nature by suppressing forest fires. Now a geographer wants to know what the forests would have been like if we'd let them burn. "I'm interested in how fire shapes the landscape. Resource managers are interested in restoring forests to what they were like before the arrival of Euroamericans," said R. Matthew Beatty, graduate student in geography. "To restore forests, we need to understand their natural variability."

What Beatty and Alan H. Taylor, associate professor of geography, are finding is that variation on a fairly local scale is important, and that the environment, especially the topography, is key.

The researchers examined pairs of aerial photographs from 1941 and 1993, and noted significant changes in the Cub Creek Research Natural Area of the Lassen National Forest in Northern California. These changes are remarkable because the Cub Creek area has never been logged or grazed. The only human impact in the area has been fire suppression.

The watershed is very rugged with two ridges that run east and west from its headwaters. The researchers divided the area into three regions based on differences in topography.

"In the 20th century, fire suppression has changed the density and species diversity of these forests, but differently in each area. The controlling factor seems to be the direction that the slope faces," Beatty said. "A slope's direction influences species distributions and fire vulnerability because of microclimates."

Fire suppression began in 1905 and these forests which had widely spaced larger trees became closed



Matthew Beatty, left, graduate student in geography, and Alan H. Taylor, associate professor of geography, look at the leaf litter in a local wooded area. The leaf litter is part of the fuel source for forest fires.

Photo: Greg Grieco



Then ... and now

These photos show the increase in forest density that is the result of fire suppression since 1905. Overall, biodiversity has decreased even in natural areas that have never been logged. The photo on the left is of a mixed conifer forest in Lassen Volcanic National Park, 25 miles northeast of the Cub Creek area studied by Taylor and Beatty. It was taken in 1925 by A.E. Wieslander, and shows a mixed pine and white fir stand with few seedlings, saplings or small diameter stems in the forest understorey. A small patch of brush is present in the foreground, but there is little herbaceous cover. Fire scars on a nearby tree indicate the stand last burned in 1892.

Taylor returned to the site and photographed it in June 1993, right. He found that a dense stand of mostly white fir now dominated the forest understorey and ground fuels—needles, twigs and branches—accumulated on the forest floor.

forests, densely packed with smaller trees, saplings and seedlings. Fire suppression also has changed the forest composition from mostly pine, which are fire tolerant, to firs which are more shade tolerant but fire intolerant.

To learn about the pre-Euroamerican fire history, the researchers took wedges from existing trees to identify when past fires occurred. Because trees add one growth ring per year and because the width of these rings is affected by climate conditions, scientists

can date fire years with accuracy.

"Some fires burned throughout the area," said Beatty. "In 1795, 1829 and 1883 there were major fires that burned everywhere and these were also very dry years throughout California."

The three areas investigated were a south-facing slope, headwaters and north-facing slope. Natural fire breaks separate these areas and the historic frequency and severity of fires differs in each.

"One apparent outcome of fire suppression is that, without fire, each of these areas is becoming more homogeneous," said Beatty.

The historic diversity of fire regimes within this small watershed contributed directly to past biological diversity. Now, while fire has reached unprecedented dominance, while other species are in decline. If resource managers want to maintain the remarkable diversity of these landscapes, the restoration of diverse fire regimes is necessary.



Increased pollen counts nothing to sneeze at

If the mere mention of the word "allergy" leaves you with itchy, watering eyes and a case of the sniffles, you may need to take extra precautions this season.

"It's quite possible that people with allergies will experience an extremely aggravating time this spring and summer," said Dr. Timothy Craig, an allergist with Penn State Geisinger, The Milton S. Hershey Medical Center and an associate professor of medicine in the College of Medicine.

"Because of the unusually warm, wet winter El Niño has given us, the entire country will have elevated pollen counts this spring. The weeds that cause allergies do much better and grow much larger in moist, warm areas. They tend to fully pollinate for longer periods of time, which can intensify and prolong the suffering for people," he said.

Craig recommends the following tips for those who are worried they will have to spend the next few months locked behind closed doors and windows.

- Try to limit outdoor exposure during the hours of 11 a.m. to 4 p.m., when warm, dry winds are at their peak, increasing pollen distribution.

- Schedule physical activities at appropriate times. If you jog plan to do so either in the morning or at night, when pollen levels are at their lowest.

- Stay in air-conditioned environments as much as possible. This will help to alleviate symptoms and make sleeping more comfortable.

- Ask your doctor or pharmacist about topical nasal steroids and over-the-counter antihistamines. The antihistamines can ease discomfort but also may cause drowsiness, so use extra caution when driving or engaging in other potentially dangerous activities. Remember that alcohol will increase the drowsiness effect of the medication.

- Avoid irritants such as smoke, harsh chemicals, fumes from cleaning products and perfumes. These will aggravate any symptoms you may have.

If your allergies continue to worsen, interfere with your quality of life or create a disturbance in your sleeping pattern, consult your physician about other methods of treatment.

Book Shelf

Eve Stryker Munson, assistant professor of communications, and Catherine A. Warren have put together a collection of essays called *James Carey: A Critical Reader* published by the University of Minnesota Press. Carey, who has been called one of "the nation's leading cultural historians," has studied and written about the ideas of an array of philosophers, sociologists, historians and anthropologists, including John Dewey, Max Weber and Jürgen Habermas. Carey's themes range from the strains on democracy and drawbacks of technology to the critique of journalism and the politics of academe. The book that has resulted is an introduction to Carey's work that intersperses his major essays with articles exploring his central themes and their importance.

For more information, visit the University of Minnesota Press Web site at <http://www.upress.umn.edu>.

Calyampudi R. Rao, holder of the Eberly Family chair in statistics and director of the Center for Multivariate Analysis, has written the second edition of a book titled *Statistics and Truth: Putting Chance to Work*, published by World Scientific. Rao is internationally acknowledged as one of the world's top five statisticians.

The first edition of his book was based on three lectures on the history and development of statistics given by Rao in 1987 during the Ramanujan Centenary Celebrations, sponsored by the Council of Scientific and Industrial Research in India.

The second edition provides an account of the development of statistics from its origin as the collection and compilation of data for administrative purposes to a separate scientific discipline of study and research for making decisions under uncertainty. In addition to including completely reorganized and expanded material from the first edition, the book contains a new chapter on the public understanding of statistics. *Statistics*

and *Truth: Putting Chance to Work* has been translated into German, Polish, Spanish, Japanese and Chinese.

Strange Fruit, an anthology of plays addressing the impact of lynching on U.S. theatre and culture, has been published by Indiana University Press. Edited by Judith Stephens, associate professor of speech communication at Penn State Schuylkill, and Kathy A. Perkins, the book focuses on women's unique views of lynching and reveals a social history of interracial cooperation between black and white women.

Included in this work are plays spanning the period 1916 to 1994 from playwrights such as Angelina Weld Grimké, Georgia Douglas and Michon Boston.

While natural disasters have been hard to predict, it's easy to predict mankind's unwavering fascination with it all.

Tapping into this fascination, Ernest Zebrowski, a physics professor at Pennsylvania College of Technology, has penned a new book, *Perils of a Restless Planet: Scientific Perspectives on Natural Disasters*.

Within its 302 pages, Zebrowski compares and contrasts ancient and modern natural disasters and examines natural disasters to reveal the intimate relationship between science and society. He also describes the current state of knowledge on natural disasters and focuses on the science behind disaster prediction and prevention. Zebrowski believes historical examination of natural disasters allows scientists to prepare societies for events that will occur, not within the coming weeks, but within the next 10 years or the next generation.

In addition to the academic and scientific communities, the book is geared toward general readers who are intrigued by scientific and environmental concepts.



Cooking for the carnival

Regis Dunn, a student in hotel, restaurant and institutional management and a cook in Warnock dining commons on the University Park campus, prepares food for the Warnock Carnival. The carnival, held April 4, was the first of several to be held on the campus. Tickets are sold outside the carnival area for a variety of foods. Menu items include hot sausage sandwiches, grilled chicken sandwiches, fresh-squeezed lemonade, cookie-on-a-stick desserts, garden veggie wraps and more. Upcoming carnivals are scheduled for Warning on April 18, Redfeller on April 21, Pollock on April 24, Findlay on April 29 and Simmons/McElwain on May 1.

Photo: Greg Grieco

Intercom schedule reminder

With spring semester quickly coming to a close, it soon will be time for Intercom to switch to its summer publication schedule. Beginning April 23, Intercom will publish every other week through Aug. 13. The remainder of the schedule for this academic year is:

Publication date	Deadline*
April 23	April 15
May 7	April 29
May 21	May 13
June 4	May 27
June 18	June 10
July 2	June 24
July 16	July 8
July 30	July 22
Aug. 13	Aug. 5

* All copy is due to the Intercom office, 312 Old Main, University Park, by noon on deadline day.

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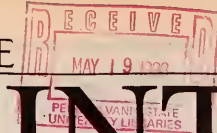
Intercom is published weekly during the academic year and every other week during the summer. It is an internal communications medium published for the faculty and staff of Penn State by the Department of Public Information.

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Find us on the Web at <http://www.psu.edu/ur/INTERCOM/>

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Volume 27, Number 29

University forges \$15 million agreement with PennDOT

By BARBARA HALE
Public Information

Improved traveling safety and increased mobility of Pennsylvania's transit systems are among the goals of a just-signed \$15-million contract between Penn State and the Pennsylvania Department of Transportation. The five-year agreement is the latest development in a growing relation-

ship between Penn State and PennDOT.

Through the agreement, the University's Pennsylvania Transportation Institute will conduct research, education, technology transfer and management programs for the state's transportation agency. As part of the contract, the transportation institute will assist PennDOT in assembling and managing focused teams from

Penn State and other educational institutions and will serve as administrative manager for PennDOT subcontracts with universities and colleges.

"This cooperative research agreement will provide the vehicle that will move technology from university classrooms and laboratories onto Pennsylvania's roads, railways, rivers and airways," said Bradley L. Mallory, secretary of the Pennsylvania

Department of Transportation.

"Transportation is an increasingly important link to the Commonwealth's ability to compete in international markets. Penn State and the other educational institutions that work with us will support the state's economic interests by delivering research and educational programs that will increase the safety and mobil-

See "PennDOT" on page 14



The sky's the limit

Sara Gallagher (left) and Anna Jangren, graduate students in the Eberly College of Science, get ready for today's "Take Our Daughters to Work Day" on the University Park campus. The two are setting up telescopes on top of Davey Laboratory. About 193 girls and 169 mentors are expected to participate in the event, sponsored by the Commission for Women. "Take Our Daughters to Work Day" is a national event geared to girls in grades six through 12 and provides them with an opportunity to visit various career sites.

Photo: Greg Grieco

Two University leaders announce departures

Over the last week, word of two pending vacancies in academic leadership positions within the University have been announced. Both Terri Brooks, dean of the College of Communications, and Howard Grotch, interim dean of the Eberly College of Science and professor of physics, have said they will retire from their posts. Brooks announced her resignation April 15 and Grotch announced his intent to leave April 16.

Brooks plans to return to the corporate media world in early 1999 and Grotch has accepted an offer to become dean of arts and sciences at the University of Kentucky, and intends to resign from Penn State July 1.

See "Deans" on page 3

Governor releases \$19 million for projects

By LISA M. ROSELLINI
Public Information

Penn State Harrisburg's \$17.3 million "Library of the Future" will soon be a reality, along with an addition to the Thomas Building on the University Park campus, more development on West Campus and telecommunications improvements.

In late March, Gov. Tom Ridge released more than \$19 million in University construction projects. The money is part of the state's \$200 million commitment made in 1997 to Penn State for capital construction projects over the next five years.

So far, Ridge has released \$30 million during the

See "Projects" on page 2

Inside



Reminder to faculty and staff

All faculty and staff need to pick up the new Penn State ID+ card, which replaces any Penn State ID you currently have. To have a new ID photo taken, go to room 6 of the White Building through May 1. For more information, see www.hfs.psu.edu/idcard.



Sounds good on paper

Researchers have discovered that while many companies have ethics codes in place, few actually do much more beyond the symbolic gesture of writing them down. For more, see page 15.

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Elsewhere in Higher Education

The following information was gleaned from the internal publications of the institutions mentioned.

■ A record \$15 million gift has helped launch a "Leadership Initiative" at the University of Pennsylvania Law School. The gift, from alumnus and Trustee Henry R. Silverman, is the largest outright gift ever to an American law school.

Silverman is president and chief executive officer of Candiant Corp., Stamford, Conn., and Parsippany, N.J., a global leader in consumer and business services. His gift will support a professorship, legal scholarships and research, in addition to restorations and renovations of the original Law School building. The gift also launches a leadership program that will combine the strengths of legal education with perspectives drawn from management and other sister professions and academic disciplines.

■ A new policy clarifying the use of its name or insignia has been instituted at Harvard University. The new policy spells out criteria and procedures to protect the use of the institution's name by people associated with Harvard. The intent of the policy is to ensure that any undertaking which uses the name of the university or of a school within Harvard, is an accurate and appropriate use which has some measure of institutional accountability. Faculty or staff who want to use the name of a school, must get permission from the dean of the school. Use of the word "Harvard" requires advance written permission from the provost of the institution.

■ Through a new agreement between Indiana University and Microsoft Corp., Indiana will become the first university in the United States to make Microsoft's software products available to all students, faculty and staff. The four-year contract gives Indiana's employees and students access to software,

including operating systems, desktop productivity tools and messaging products at home and at work. The agreement will potentially save IU and its students, faculty and staff more than \$20 million over the next four years. The student technology fee at IU will not increase to pay for this exclusive licensing agreement.

■ Virginia's Legislature recently passed the state budget, approving a raise of 6.5 percent for the University of Virginia's instructional faculty for each of the next two years. Part-time faculty and graduate teaching assistants will receive increases of 3.1 percent in the first year of the budget and 3.3 in the second year. Classified employees will earn raises of up to 4.55 percent based on performance ratings. The performance-based raises are a departure from the across-the-board increases granted in recent years. Legislators moved away from former Gov. George F. Allen's proposed performance-based funding formula for colleges and universities, which would have linked some state appropriations to an institution's graduation rates, retention rates and use of classroom space, among other factors.

■ A new honors program at Northwestern University designed to produce lawyers with expertise in technical innovation has been launched. Touted as the first of its kind in the nation, the program joins engineering and law training, allowing students to earn a bachelor's degree in engineering and a law degree from Northwestern's law school in seven years. This includes 15 months of on-the-job experience with a company.

■ Federal charges were filed last month against two former Northwestern basketball players, charging them with point shaving in early 1995. In a separate indictment, another former student was charged with illegal gambling activities. The charges state that two men's basketball players intentionally played poorly in an attempt to influence the outcome of three basketball games in early 1995, including one against Penn State. The 1994-95 men's basketball team finished with a 5-22 overall record and a 1-17 record in the Big 10.

"These allegations are deeply disturbing and an embarrassment to Northwestern University... something Northwestern cannot and does not condone," said President Henry S. Bielen. "An incident such as this tests an institution."



Celebrate the Earth

Sunday, April 19, kicked off Earth Week at University Park. Here enjoying a pretty down-to-earth day are students on a lawn outside of Old Main. Friday, April 24, marks Arbor Day. Over the past several weeks, the University has planted 120 new trees on the campus — part of a special effort to plant 400 trees by 1999.

Photo: Greg Grieco

Projects

continued from page 1

current fiscal year toward the University's \$40 million annual allotment. The announcement last year of a five-year funding commitment from the state allowed the University to better plan for the future.

Funded by the state's \$200 million commitment and \$276 million in University money, the multi-million improvement projects address capital needs at University Park and many other campus locations, and range from renovations and infrastructure updates to new classroom buildings, laboratories, student housing, libraries and a child care center — for a count of more than 55 projects.

In total for the current fiscal year, more than \$130 million will be spent on construction projects, the largest capital construction initiative in the University's history. One of the projects to benefit from the current funding release is the new \$17.3 million library at Penn State Harrisburg. Ridge released \$14.6 million for the 115,000-square-foot facility.

Construction on the library is expected to begin this summer with completion anticipated in two years. A ground breaking ceremony for the project is set for 12:30 p.m. Thursday, April 30, at Penn State Harrisburg. The new library will replace the current facilities in the college's Olmsted Building and will employ state-of-the-art technologies to provide global information access for both on-site and remote users. In

addition, the new facility will provide adequate storage for and use of the library's research collections. The geographical service area of the new library will encompass nearly 1.5 million potential users, including more than 7,000 graduates of Penn State Harrisburg who still reside in southeastern Pennsylvania. Existing library space at Penn State Harrisburg has not increased since 1978.

Another project advanced by the release of state funding is the \$4.2 million addition to the Thomas Building, a general purpose classroom facility, at University Park. Ridge released \$2.2 million toward the construction of an addition that will create a 600-seat auditorium-style lecture room and will include advanced technology instructional systems and preparation and support spaces.

Approximately \$1.7 million was released for Phase I of West Campus development at University Park. West Campus is the area across North Atherton Street, near the golf course. The project includes a central chilled water plant for the soon-to-be constructed Leonhard Building and New Research Center, which will serve the colleges of Earth and Mineral Sciences and Engineering. Also, \$600,000 of the recently released funds will go toward telecommunications infrastructure improvements at University Park. The project involves the construction of a cutting-edge interactive video conferencing/instructional facility which will bolster programs in the life sciences at both University Park and within the College of Medicine at The Milton S. Eshelman Medical Center.

Deans

continued from page 1

After her six years at Penn State, during which the College of Communications achieved new prominence, Brooks said she is ready to return to her professional media origins. She will remain at Penn State at the request of President Graham B. Spanier until Dec. 31, to assist in the planning for a proposed new school of information sciences and technology (see accompanying story on this page).



TERRI BROOKS



HOWARD GROTCH

lege" status; corporate, foundation and private giving multiplied 10-fold; and new national programs, industry advisory boards, and professional-interest programs were created.

During her tenure, there were sig-

nificant faculty hires that increased the national reputations of individual programs; increases in faculty research productivity; new initiatives to strengthen the quality of teaching and service learning; a rise in the retention of minority students; growth in student internships and job placement; creation of a semester-long program in Washington, D.C.; and the launching of the college's first Ph.D. program.

Grotch became interim dean of the Eberly College of Science nearly a year ago after the resignation of Gregory L. Geoffroy, who left to accept a position as vice president for academic affairs and provost of the University of Maryland at College Park.

"Since becoming interim dean last May, Howard has moved the college forward on a number of fronts, including faculty recruitment, fund raising and undergraduate education. We are sorry to lose him, but wish him well in his new post. He has been a valued member of the Penn State faculty since 1968," said Vice President and Provost

John Brighton.

In a letter to college faculty and staff, Grotch said, "It has been a delight to work with such a talented and loyal staff and with excellent committed department heads and faculty. It also has been extremely rewarding to play a role in the advancement of the Eberly College of Science."

Grotch, a Fellow of the American Physical Society, is a specialist in quantum electrodynamics and elementary particle physics. He conducts research on the structure of positronium, the Lamb shift and quarkonium and is the author of more than 90 research articles and co-author of a physics textbook.

He joined Penn State as a research associate, was promoted to full professor in 1976 and appointed head of the Department of Physics in 1988, a position he still holds. A native of Brooklyn, N.Y., Grotch earned his undergraduate degree in physics at the City College of New York and his doctorate in physics from Cornell University.

"Terri's leadership was instrumental in the growth of the college and its rise to national prominence," Spanier said. "We will miss her vision and energy, but I've asked her to remain with the University until the end of the year to assist with the planning for a proposed new Penn State school of information sciences and technology. She has served on my Committee on Information Science and Technology and can bring her wealth of administrative experience and communications knowledge to this important initiative."

Brooks came to Penn State from New York University, where she was chair of the Department of Journalism and Mass Communication and a tenured member of the faculty of arts and science. She began her career in journalism with the *Chicago Tribune*, and is author of hundreds of articles for national magazines and newspapers, as well as three nonfiction books. Before coming to Penn State, she served as a media consultant with the Japan Information Center in New York and E.I. du Pont de Nemours & Co. in Wilmington, Del.

"I've been interested for some time in returning to my professional media roots and becoming part of the revolution in communications technology that is transforming society and altering our personal lives," said Brooks, who is considering a number of options in media. "The work I was brought here to do has been successfully completed. Penn State is a hard place to leave, but this is the right time for a smooth transition. The college is on the national map, held in very high regard, and has a great future ahead of it."

During her administration as dean, the college undergraduate student enrollment grew 65 percent to 2,200 pre-majors and majors, making it the third largest communications program in the country. Under her leadership, the communications program was upgraded from "school" to full "col-

New school would answer society's needs

By LISA M. ROSELLINI
Public Information

Consideration of a new school of information sciences and technology is high on President Graham B. Spanier's "to do" list, as he works toward positioning Penn State to help solve some pressing societal needs.

"It is imperative that higher education accelerate its efforts to meet America's needs for new workers to address the explosion in information science and technology professions," Spanier said recently in a speech to the National Information Technology Workforce Convocation in Berkeley, Calif.

Across the United States, about 346,000 "core" information technology positions—like programmers and systems analysts—are vacant, according to a recent survey conducted by the Information Technology Association of America.

Last December, the president commissioned a 14-member committee to study the new school concept, identify current and planned programs in the areas of information sciences and technology, and to explore industry needs in these areas. Recommendations from the group, headed by Rodney Erickson, vice president for research and dean of the Graduate School, are expected to be forwarded on May 1. Spanier said a decision on what direction Penn State would take should be made in the next few months.

Although the vision for this new approach has not yet been fully articulated, Spanier sees potential programs within the school as spanning the entire range of degree possibilities from associate to bachelor's to master's to Ph.D. That's why Erickson's group is looking across colleges, across campuses, at undergraduate and graduate programs, at libraries, distance education courses and the entire spectrum of activities in the information sciences and technology realm.

"Our comprehensive strengths in computer science and engineering, communications, management information sciences, and social and behavioral sciences provide a strong foundation on which we can build," Spanier said. "The largest growth area in the computer and data processing services industry is for systems analysts where jobs are projected to more than double by 2006. These individuals not only must be articulate in information technologies, but must also understand the unique features of an organization's information needs in areas such as manufacturing, engineering, sales, education or health care."

"As Pennsylvania's major public institution, we have an obligation to respond to these critical needs of both the state and the nation," he said. Not only would Penn State's leadership in the information science and technology arena answer a growing collective demand, but students would receive a "state-of-the-art" education as well.

Spanier said Penn State can accomplish this task by continuing its movement toward integrating information science and technology studies into a variety of areas of study, across many disciplines.

Erickson, whose group has met with representatives of numerous businesses across the state, pointed out that information technology has crossed into so many fields and affects so many job classifications that it's hard to get a handle on the actual number of workers needed. But the information Erickson's committee has so far gathered only further confirms what the president and others suspect: there already is a severe shortage of information technology workers and without change, that labor drought could send Pennsylvania businesses into an economic tailspin.

"We still need well-educated, well-rounded students—ones that can communicate, be leaders, write and think critically," Erickson said. "We are not forgetting that in the mix of things. But we have a responsibility to produce an educated workforce for all segments of society and technology is now a large part of society's everyday activities."

LECTURES

Communications lecturer to present film screening

Michael Podolski, lecturer for the Penn State College of Communications, will present a screening of his short narrative film "Save Selene," on Friday, April 24, at 7:30 p.m. in the Carnegie Cinema (113 Carnegie Building) on the University Park campus. The film tells the story of a writer and his personal journey through the creative process.

Podolski, who received his MFA from Penn State in 1994, teaches film and video production as well as screenwriting and animation for the College of Communications. For more information, visit the College of Communications Web site at <http://www.psu.edu/dept/comm/news>.

"The Internet and the First Amendment" topic of talk

Burton Caine, professor of law at the Temple University Law School, will speak on "The Internet and the First Amendment" from 7-8:30 p.m. Wednesday, April 29, in 112 Kern Building on the University Park campus.

Caine is an expert on the First Amendment, including free speech at universities, and his lecture will touch upon campus restrictions on freedom of expression. Questions will be taken after the presentation. The lecture is part of the Engineering Graduate Student Council brown-bag seminar series, and is free to the public.

For more information about the lecture, call Marc Bumble at (814) 865-2841 or e-mail bumble@cse.psu.edu. For more information on Caine, check the Web at <http://www.temple.edu/law/school/caine.html>.

Final LIVES! lecture planned for April 29

The final lecture in the 1997-98 LIVES! lecture series will be given by Paul Lawrence Rose, professor of European history and Mitrani professor of Jewish studies, on Wednesday, April 29, at 12:30 p.m. in 102 Weaver Building on the University Park campus. Rose's talk, "Heisenberg: Deception, Self-Deception and the Nazi Atomic Bomb," will focus on physicist Werner Heisenberg's involvement from 1939 to 1945 in the Nazi atomic energy project and the mystery and confusion surrounding it. Rose will attempt to answer the question of why Heisenberg, so esteemed by fellow scientists, consented to work for Hitler on a project of such frightening consequences? This is a brown-bag seminar sponsored by the Institute for the Arts and Humanistic Studies. Call (814) 865-4495 for more information.

Former Mideast hostage to speak at Altoona

Former Middle East hostage Terry Anderson will share his trials and tribulations during the commencement address at Penn State Altoona's graduation ceremonies at 1 p.m. on May 9 in the Adler Athletic Complex.

Anderson made world headlines as he endured 2,545 days of captivity after being taken hostage by Shiite Muslims in a yearlong kidnapping spree. Along with six other Americans and Britons, Anderson was chained to radiators, hidden from sunlight, transported, gagged and blindfolded in trunks of cars as the Shiite's thwarted rescue attempts. Anderson was covering the dangerous streets of Beirut as chief Middle East correspondent for the Associated Press when he was snatched at gunpoint.

Paterno to be keynote speaker at June conference

Who knows more about the many roles and responsibilities of a coach than Joe Paterno, Penn State's head football coach since 1966 and the leader in total victories among active NCAA Division I-A coaches? Paterno will be the keynote presenter at The Pennsylvania Coaching Education Conference, slated for June 24-25, at The Penn State Conference Center Hotel, University Park. The conference, part of a statewide effort to raise coaching standards, will furnish direction, resources and training in coaching education to benefit interscholastic-based programs.

The event will include preconference clinics for coaches using the American Sport Education Program/National Federation of Interscholastic Coaching Education Program (ASEP/NFICEP). The clinics will offer essential education in coaching principles, sport first-aid and drugs and sport. Conference sessions will examine current issues such as coaching philosophy, effective communications, sport psychology, strength training and nutrition.

Continuing education units from the National Strength and Conditioning Association (NSCA) certification commission are pending. For conference registration forms, call (800) PSU-TODAY (778-8632). For more information about the program, call Robin Bagby at (814) 863-7252 or e-mail at rsb7@psu.edu.

Leaders of United Way campaign announced for University Park

William W.

Asbury, vice president for student affairs, has been appointed chairperson of the 1998 University Park United Way Campaign.

Barbara M. Shannon, dean of the College of Health and Human Development, has been appointed vice chair of the campaign. Shannon will then serve as campaign chairperson in 1999.

As the chair of the University Park campaign, Asbury would like to increase the University's goal to a half-million dollars this year. In 1997, Penn Staters at University Park raised \$482,000. Encouraging more special events, as well as increased participation, are two other goals Asbury hopes to accomplish.

Asbury was the chair of the 1987 campus campaign. Last year, he served as vice chair of the campaign under J. D. Hammond, dean of The Small College of Business Administration. A member of the Penn State staff since 1976, he is also adviser to the Golden Key National Honor Society, an honorary chairman of the 4-H Ambassador Program and a member of the Forum on Black Affairs.

Outside of the University, Asbury is active in a number of charitable organizations in the community. He is on the boards of directors for Pennsylvania Special Olympics and the Central Pennsylvania Festival of the Arts. Asbury also is on the board of directors and past president of Centre HomeCare Inc.

Asbury also has been the recipient



WILLIAM W. ASBURY



BARBARA M. SHANNON

of a number of awards. This year, as well as in 1993, he was recognized as Adviser of the Year by the Golden Key National Honor Society. In 1993, he received the Barash Award for Humanitarian Service and in 1991 was named distinguished president of the Kiwanis Club of State College.

Shannon has been a Penn State faculty member since 1971, a long-time member of the Department of Nutrition. A distinguished professor, she served as associate dean of the Graduate School from 1991-1994. In 1995, she was named dean of the College of Health and Human Development.

Shannon has been a member of a number of professional associations. Since 1994, she has been a member of "Pathways" multicenter research project Protocol Review Committee and Safety Monitoring Board for the National Heart, Lung and Blood Institute. She also has served as president of the Society for Nutrition Education and of the Pennsylvania Nutrition Council. She was named a Fellow of the Society for Nutrition Education, and received the 1996 Pace Setter Award from the Pennsylvania Nutrition Council. She was recently named a Distinguished Alumna of Purdue.

Obituary

Charles Norval Cofer, professor emeritus of psychology, died March 14 at his house in Albuquerque, N.M. He was 81.

Cofer received his A.B. from SE Missouri State University, his M.A. from the University of Iowa and his Ph.D. in 1940 from Brown University. He was a member of the faculty at George Washington University; the University of Maryland, College Park, where he was chair; New York University, as director of graduate studies in psychology; the University of California, Berkeley, as visiting professor; and Penn State. He held subsequent research professorships at the University of Houston, the University of North Carolina, Chapel Hill, Duke

University and the University of New Mexico.

Cofer was the author of more than 125 articles and books in psychology, primarily in the areas of motivation and cognitive processes. He served as president of the Eastern Psychological Association and as an officer in many learned societies.

A memorial service is planned for the August meetings of the American Psychological Association in San Francisco. Memorial contributions may be made to the Charles N. Cofer Memorial Scholarship Fund in Psychology, The Pennsylvania State University, College of the Liberal Arts, 101 Sparks Building, University Park, Pa. 16802.

University Park commencement ceremony schedule listed

Penn State 1998 Spring Commencement ceremonies for University Park are scheduled as follows. Two ceremonies listed for Sunday, May 17, in a previous issue of *Intercom* will be held Saturday evening. All other information is the same.

■ Friday, May 15:

— 3 p.m.: The ROTC Commissioning Ceremony in Schwab Auditorium.

— 4:30 p.m.: University Scholars Medal Ceremony in Eisenhower Auditorium.

— 8 p.m.: Eberly College of Science Commencement Ceremony in The Bryce Jordan Center.

— 8 p.m.: The College of Education Commencement Ceremony in Eisenhower Auditorium.

■ Saturday, May 16:

— 9 a.m.: The College of Engineering Commencement Ceremony in The Bryce Jordan Center.

— 9 a.m.: The College of Agricultural Sciences Commencement Ceremony in Eisenhower Auditorium.

— Noon: The College of Health and Human Development Commencement Ceremony in The Bryce Jordan Center.

— Noon: The College of Arts and Architecture Commencement Ceremony in Eisenhower Auditorium.

— 3 p.m.: The College of the Liberal Arts Commencement Ceremony in The Bryce Jordan Center.

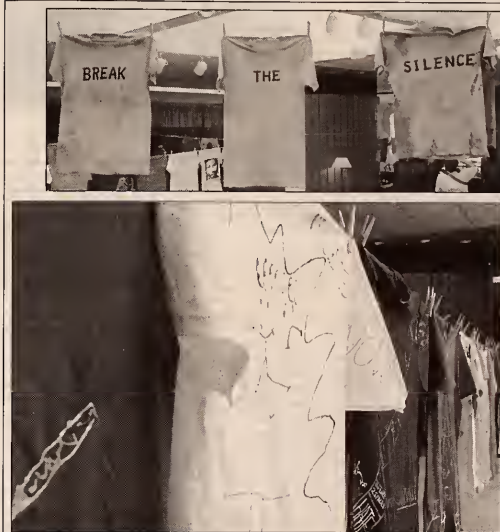
— 3 p.m.: The College of Communications Commencement Ceremony in Eisenhower Auditorium.

— 7 p.m.: The Smeal College of Business Administration Commencement Ceremony in The Bryce Jordan Center.

— 7 p.m.: The College of Earth and Mineral Sciences Commencement Ceremony in Eisenhower Auditorium.

■ Sunday, May 17:

— 5:30 p.m.: The Graduate School Commencement Ceremony in Eisenhower Auditorium.



Breaking the Silence

Linda LaSalle, assistant director of the Center for Women Students, hangs a T-shirt for the Centre County Clothesline Project display. The exhibit, held April 15 and 16 in the HUB Fishbowl on the University Park campus, was designed to bear witness to all forms of violence against women, in the form of T-shirts made by survivors which are displayed on a clothesline. The shirts' colors symbolize the form of violence represented: white for women murdered, red for survivors of rape, and purple for survivors of homophobic assaults. Opportunities were provided for survivors and supporters from the University and local community to make T-shirts to add to the exhibit.

Photo: Greg Grieco



Commonwealth College reopens search for associate dean

The Commonwealth College has reopened the search for an associate dean for faculty, and nominations and applications are being sought. The position reports to the dean and, working with the dean's staff, division heads and faculty and administrators, is responsible for the faculty affairs of the college.

The associate dean provides leadership in faculty recruitment and hiring, annual review of faculty, and promotion and tenure. The associate dean also provides leadership in faculty development and teaching and learning effectiveness, direction to the Royer Center for Learning and Academic Technologies, and support to faculty research, scholarship, creative accomplishment and service.

Candidates should have an earned doctorate and an academic record allowing appointment to a senior faculty rank with tenure. In addition, significant leadership and administrative experience is required, as well as the ability to work collaboratively on cross-functional work groups within a complex organization. Candidates should have a demonstrated record of commitment to diversity and be able to work with a diverse faculty, staff and student body.

The Commonwealth College, the University's largest college, is represented at 12 campus locations: Beaver, Delaware County, DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Shenango, Wilkes-Barre, Worthington

Scranton and York. There are 14,000 credit students and almost 24,000 noncredit students. The college has 20 academic divisions, 500 full-time and 500 part-time faculty and 575 staff. Additional information can be found on the Web at <http://www.cwc.psu.edu>.

Nominations and applications should be sent to Rachel Miller, Commonwealth College Human Resources, 431 Rider Building, 120 S. Burrows St., University Park, Pa. 16801. Application review will begin May 4 and continue until a suitable candidate is found. The Commonwealth College embraces the University's statement on affirmative action/equal opportunity. Women and minorities are encouraged to apply.

Faculty/Staff Alerts

Arts and crafts sale

The Hetzel Union Center for Arts and Crafts will hold its annual Spring Arts and Crafts Sale in the HUB Fishbowl, April 29-30, and May 1-2, from 9 a.m. to 5 p.m. For more information, please call the center at (814) 863-0611.

Aquacise

The aquacise classes on the University Park during intercession (beginning May 11 and ending June 5) are as follows:

■ Natatorium

M-W-F from 10-11 a.m.; T-TH from 10-11 a.m. — special low-impact class; and M-T-TH from 5:30-6:30 p.m.

■ White Building

Monday-Friday from 12:05-12:50 p.m. and Saturday from 10:15-11:15 a.m.

All classes are \$2 each. No passes will be sold due to possible construction that could interfere with classes at the White Building and the McCoy Natatorium.

Special Olympics needs 2,500 volunteers

To host the 1998 Pennsylvania Special Olympics Summer Games on the University Park campus, about 2,500 volunteers are needed to offer some 2,000 Special Olympic athletes an opportunity to participate. The games will take place from June 4-7.

Anyone interested in volunteering to set up or act as escorts, ushers, support staff, decorations, security personnel, or in a host of other positions should call 1-800-865-3600.

Special Olympics is the world's largest program of sports training and athletic competition for children and adults with mental retardation.

Summer Language Institute seeks applicants

Applications are currently being accepted for Penn State's Summer Intensive Language Institute, June 8 through July 31. These credit courses include the study of French, German, Japanese, Latin, Russian and Spanish and are conducted by the departments of Classics and Ancient Mediterranean Studies, Comparative Literature, French, Germanic and Slavic Languages, and Spanish in the College of the Liberal Arts.

With the exception of Latin, the language programs are designed for individuals who want to develop oral proficiency in a foreign or second language.

For more information, call (800) PSU-TODAY (778-8632), or visit the Web at <http://www.cde.psu.edu/C&I/IntensiveLanguage/>

Can you dig it?

There's still time for students entering grades seven through 10 to register for "Dig into the Past," an archaeology camp scheduled for July 20-24 on the University Park campus. The camp, which will be held at the Matson

Museum of Anthropology, encourages exploration of the basic principles and methods of modern archaeological research. Students will learn through actual excavation of a Pennsylvania archaeological site, hands-on analysis of artifacts and computer exercises.

Camp fees are \$515 for resident campers and \$375 for day campers. The registration deadline is June 19. To request a camp brochure, call (800) 778-8632.

WPSU campaign success

Public radio station WPSU-FM ended its 12-day Spring Membership Campaign with \$60,462 in pledges from 688 listeners. Not only was a record amount of money raised, but it happened in record time. Last year's spring campaign raised nearly \$48,000 in a 14-day period.

The dollars raised go toward the purchase, production and broadcast of programs carried by the public radio outlet. Contributions from individual listeners make up 67 percent of the station's operating budget. Almost 20 percent comes from local businesses which underwrite programming on the station. The remainder comes from federal grants and the station's license, Penn State.

Temper, temper

Do you have a 7- to 10-year-old child who often argues, fights or has a temper? Children, ages 7-10 who meet this description and their mothers are needed for a study at the Emotional Development Lab at the Child Study Center on the University Park campus. Participation involves a one-hour visit to the laboratory. This research is being overseen by Keith Crnic, professor of psychology. Benefits for those who participate include \$15 and two small prizes for the children. Anyone interested should call Amy at (814) 863-5671.

EIS now online

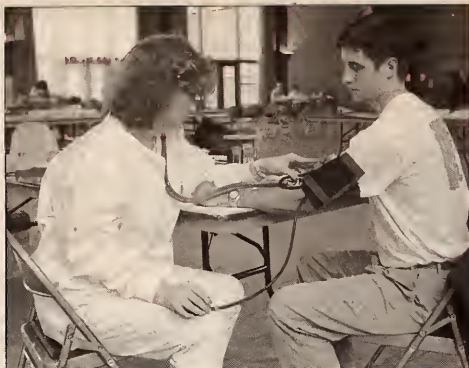
The Penn State Executive Information System is now available on the Web. The EIS is a secure, Web-based system that provides customized access for executives to summary level information including enrollment data. Using PowerPoint for the Web, authorized users may access the EIS through the Office of Administrative Systems Web site at <http://www.oas.psu.edu/users> using their account access userids and passwords.

Those not authorized to use the system still may visit the unrestricted sections of the site for more information about what it is and how to become an authorized user.

For more information, e-mail the EIS coordinating committee at EIS-COORD@lists.psu.edu.

Headed in the wrong direction? Call the EAP

Headed in the wrong direction? The Employee Assistance Program can



"In Memory Of..." blood drive

Terry Monday of The American Red Cross, Centre Communities Chapter, checks Patrick Walsh's blood pressure before he gives blood at the Hetzel Union Building on the University Park campus. The chapter's new blood donor campaign, which runs through Memorial Day, is titled "In Memory Of..." It invites blood donors to give blood in memory of a loved one. Participating donors (and individuals in whose memory blood was given) will be recognized on Memorial Day in a newspaper ad and at the Boalsburg Memorial Day Celebration near State College. This series of drives will help the Red Cross prepare for the Memorial Day holiday, traditionally a period of high blood usage.

The following drives will be held at University Park — Thursday, April 23: HUB Ballroom from 10 a.m. to 4 p.m.; Tuesday, May 5: PSU Research Park, Penn State from 10 a.m. to 4 p.m. Additionally, three "by appointment only" drives will be conducted at University Park on May 14, 15 and 18. For more information, call Connie Schroeder, campus coordinator for American Red Cross Blood Services, at (814) 237-2713.

Photo: Greg Gricio

help you get turned around. The EAP provides prepaid, confidential counseling for: parenting concerns; conflicts at work or home; alcohol/drug abuse; emotional problems; stress-related problems; family and relationship issues; child and elder care; and other personal problems. To help, give the EAP a call at (800) 858-2PSU or (800) 858-2778. If you have any questions concerning the EAP, please contact Health Matters at (814) 865-3085.

Iron-deficient subjects needed for study

Most lab tests of iron status are affected by presence of infection and/or inflammation. Recently, a new lab test called transferrin receptor was developed and shown to be a more specific and sensitive test for diagnosing iron deficiency. This lab test is not affected by either infection or inflammation. The transferrin receptor is especially important in detecting iron deficiency in the elderly population, where iron status assessment is often confounded by the presence of inflammatory disease. However, certain identifying aspects for iron deficiency in the elderly are not known and a nutrition department study, being conducted by Naman Ahluwalia and Gordon Handte, clinical director, University Health Services, is under way to help determine some of these identifiers. Researchers are recruiting subjects 20-40 years old and 60-80 years old. If you or someone you know is iron deficient or has recently been prescribed to take

iron pills, please share this information with them for potential participation. Should you choose to participate, your involvement will include:

- providing a brief medical history;
- keeping a detailed record of what you eat and drink for three days; and
- providing a blood sample (one tablespoon) Ritenour Building, University Park.

Participants will receive free cholesterol screening and results on other lab tests of general iron health; a diet analysis for adequacy of iron and other nutrients; and \$15.

Anyone interested should contact Cindy or Deanna at (814) 865-2786. All information is confidential.

Benefits of volunteering

The key to the success of the Volunteer Outreach Program of the Penn State Gerontology Center on the University Park campus is its intergenerational nature. One of the greatest benefits of this program is the opportunity for multiple generations to interact with each other in a meaningful way. Students, community members and senior citizens staff the information services hotline, answering caller's questions about health care and housing and other topics relevant to older adults. They also staff the Working Collection, a joint library project. Anyone interested in volunteering can call (814) 863-4517 or Susan B. Keller at (814) 863-7903.

Private Giving

\$1 million gift targets quality of life

State College residents and Penn State alumni Sidney and Helen Friedman have committed \$1 million to a variety of Penn State programs aimed at improving the quality of life for central Pennsylvania residents. Sidney Friedman is a well-known real estate developer who has won plaudits for his efforts to preserve the vitality of downtown State College. While the Friedmans designated a variety of areas as beneficiaries of their gift, they focused primarily on the arts, student support and medical research.

In the arts, the Friedmans committed \$250,000 to Pennsylvania Centre Stage to create an endowment that will support the hiring of professional or equity actors to work with faculty and students; \$100,000 for an endowment to support theatre arts programming for the Center for the Performing Arts; and \$100,000 for an acquisition fund to bolster the collection of the Palmer Museum of Art.

To assist students, the Friedmans designated \$100,000 for endowed undergraduate and graduate student support in the College of Communications; \$100,000 to create an endowment to support the Hill Foundation, which provides services and programming to students and other members of the University's Jewish community; \$50,000 for endowed undergraduate scholarships in the College of Education; and \$50,000 to the Sidney and Helen S. Friedman Renaissance Scholarship fund, which provides scholarships to academically promising students who have acute financial need.

The Friedmans also pledged \$100,000 to a cardiovascular research fund at The Milton S. Hershey Medical Center.

The remainder will support athletics, WFSX television and other initiatives on campus.

Sidney Friedman, a native of Altoona, graduated from Penn State in 1944 with a degree in journalism. He became widely known for his efforts to renew the economic and cultural vitality of the Centre Region and make its communities more livable. Among his most well-known real estate projects are the Calder I and II commercial developments, and the 100 block of West College Avenue encompassing the State College Hotel.

Helen Friedman, a Pittsburgh native, is a 1943 graduate of the College of Education. For many years, she served as a volunteer for the Schlow Memorial Library, the Centre Community Hospital and the Bloodmobile. She also served on the board of the Music Academy.



Arts to benefit

Student Joe Thompson sings "The Hardest Part of Love," a selection from the play "Children of Eden." The production will be on stage at University Park July 17 to Aug. 1 as part of the Pennsylvania Centre Stage summer season. Pennsylvania Centre Stage is one of the beneficiaries of a \$1 million gift from Sidney and Helen Friedman.

Photo: Greg Grieco

The Friedmans have long supported a variety of Penn State programs, including scholarships, the fine and performing arts, the construction of The Bryce Jordan Center, The Smeal College of Business Administration, the College of the Liberal Arts and athletics. In addition, Sidney Friedman serves on the executive committee that will help to lead the forthcoming University-wide capital campaign and on the College of Medicine's campaign committee. He received the University's Distinguished Alumnus award in 1989 and was 1991 honoree of the Renaissance Scholarship fund.

Gift of \$350,000 endows scholarships, football position

Endowing a position on the Nittany Lions' football squad and scholarships for the College of Arts and Architecture and the College of Earth and Mineral Sciences are the goals of a \$350,000 gift from Penn State alumnus John A. Leone and his wife, Willie.

John Leone is a 1956 graduate in petroleum and natural gas engineering, and owner and CEO of the Bonney Forge Corp. of Allentown. Willie Leone is a former professional ice skater. The couple resides in Bethlehem.

The first \$250,000 of the gift establishes the John and Willie Leone Endowed Scholarship for Nickel Linebackers, which will provide financial

assistance to academically talented undergraduate student-athletes playing that position. This is the latest of several recent gifts from private donors to endow positions on Penn State intercollegiate athletics squads. Such gifts permit reallocation of resources for other athletics program needs.

The Earth and Mineral Sciences scholarship, named for John Leone, is endowed with \$50,000, and will be awarded to juniors majoring in petroleum engineering who are pursuing a combined degree in the college and business studies. The arts and architecture scholarship, named for Willie

Leone and also endowed with \$50,000, will be awarded to undergraduates with financial need who are studying music theatre and who are particularly talented in the area of dance.

The Leones also have supported the fund-raising campaign to build The Bryce Jordan Center, and John Leone serves on the volunteer committee for Intercollegiate Athletics for the University's forthcoming capital campaign.

The University invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income is returned to the principal to protect it from inflation.

Alumnus' gift to benefit Libraries

A gift of \$120,000 from Penn State alumnus George Middlemas of Chicago has endowed ongoing support for the University Libraries' Eighth Air Force Archive.

The endowment is named in honor of the late Albert M. Petska, who served as a B17 pilot with the 398th Bomber Group in World War II and is the father of Middlemas' wife, Sherry Petska. It will provide funds for acquisitions, preservation and interpretation activities related to the archive.

The unofficial collection documents the three years that the Eighth Air Force—the largest of the World War II air forces—fought in Europe, and provides a glimpse into the activities of its airmen in the post-war years. It includes monographs, periodicals, maps, photographs, manuscripts, newspaper clippings and videotapes, and is accessible to researchers through special request as part of the University Libraries' Historical Collections and Labor Archives.

Penn State acquired the archive in 1991 through the work of Pennsylvania Furnace resident James Hill, managing editor of the journal of the Eighth Air Force Historical Society. Starting with Hill's personal collection of Air Force reference materials, the archive has been bolstered by contributions from others who served in the Eighth.

Middlemas is a managing general partner with Apex Investment Partners, a venture capital firm based in Chicago. He earned his bachelor's degree in political science and history from Penn State in 1968.

He serves as chairman of Penn State's Libraries Development Advisory Board and vice chairman of the Libraries fund-raising committee in the University's forthcoming capital campaign. With past gifts, he has supported the Paterno Libraries Endowment and the Ruth C. Silva Scholarship in the College of the Liberal Arts, among other funds. Another recent gift from Middlemas endowed a University Libraries' collection on political philosophy.

The University invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income is returned to the principal to protect it from inflation.

Estate gift adds to three memorial scholarship funds

A gift of \$395,000 from the estate of late Penn State alumnus Kenneth W. Barr is supporting the endowments for three scholarships named for him and his late brother, also a Penn State alumnus.

Barr died in 1996. This funding adds to a 1997 gift of more than \$70,000 from the estate of Barr's brother, C. Melville Barr Jr., who died in 1983. Like the earlier gift, the new gift has been divided evenly among three scholarships

originally named in C. Melville Barr Jr.'s memory: an Alumni Memorial Scholarship, a National Merit Scholarship and a Renaissance Scholarship. With the new gift, the scholarships have been renamed for both brothers.

Kenneth Barr earned a bachelor's degree in arts and letters in 1923. C. Melville Barr Jr. earned a bachelor's degree in civil engineering in 1919. Both were widowers and lived in Seattle at the time of their deaths.

ARTS & ENTERTAINMENT

AT PENN STATE



On stage

Eddie Meeka stars in "The Goodbye Girl" at 8 p.m. Thursday and Friday, April 30 and May 1, in Eisenhower Auditorium on the University Park campus. For tickets to this Center for the Performing Arts presentation, call (814) 863-0255.

An Evening of Kyogen

The University Resident Theatre Company finishes its 1997-98 season with "An Evening of Kyogen" directed by Richard Nichols, professor of theatre arts. The production, which opened April 22 at the Pavilion Theatre on the University Park campus, runs through Monday, April 27.

"An Evening of Kyogen" features the world premiere of the English translation of Kinoshita Junji's *Hikiochi's Tale*, plus two other short works. Kyogen is a form of theatre that Japanese audiences have been enjoying for 600 years.

Performances begin at 8 p.m. For ticket information, call the Arts Ticket Center at (814) 863-0255.

Essence of Joy concert

Essence of Joy will present its annual spring concert, "Melodies From Heaven," at 5 p.m. Saturday, April 25, in the School of Music Recital Hall on the University Park campus. The concert will feature spirituals arranged by William Dawson, contemporary gospel compositions by Kirk Franklin,

as well as selections from the repertoire of Essence of Joy.

Anthony Leach is music director of Essence of Joy and assistant professor of music/music education. Student soloists for this concert will be Oriyema Linebarger, soprano; Jason Lamar Yates, tenor; Jessica Enright, soprano; Joshua Womer, tenor; Karen Jones, alto; Lachele Jack, soprano; Eric Pope, tenor; Danielle Scarfo, soprano; and Christopher Yorks, baritone.

Tickets are \$2 for students, \$4 for non-students, and may be purchased in advance or at the door. For more information, call (814) 863-0431.

Almost 50 years of music

The State College Choral Society will celebrate nearly a half century of presenting choral masterworks on Saturday, April 25, in Eisenhower Auditorium on the University Park campus. The concert begins at 8 p.m.

D. Douglas Miller, professor of music, will direct the chorus for a 27th consecutive season. It is the last concert Miller will direct. Some of the works to be performed by the 152-

member group are ones which the society has performed throughout its history. Tickets are \$15 for the general public and \$5 for students. For ticket information, call the Eisenhower Box Office at (814) 863-0255.

Celebrating its heritage

University Choir and Concert Choir will perform a concert to celebrate the 85-year heritage of mixed-choir singing at Penn State on Sunday, April 26, at two events: an 11 a.m. chapel service in Schwab Auditorium; and a 4 p.m. combined-choir concert in Eisenhower Auditorium, both on the University Park campus. The choirs will be conducted by D. Douglas Miller, professor of music, and Anthony Leach, assistant professor of music.

The on-stage choir for the service will include alumni of Penn State mixed choirs in addition to the members of the Concert Choir and University Choir. The Rev. Kenneth Clarke, director of Penn State's Center for Ethics and Religious Affairs, will be the liturgist and the Rev. William C. Gipson, the chaplain at the University of Pennsylvania, will speak. The service is free to the public.

At 4 p.m. in Eisenhower Auditorium, the choirs will celebrate the 50th anniversary of a special 1948 performance of Mendelssohn's "Elijah." This concert marked the beginning of a tradition which lasted for more than 30 years of singing major works each spring. Robert Trehy, professor emeritus, will return to campus in the role of "Elijah."

Tickets for the concert are \$3 for students and \$4.50 for non-students, and are available at the Eisenhower Auditorium box office.

Art on the Move

Art on the Move, a traveling exhibition program of student art, is featuring the works of Tiaa Dillard in the Computer Building on the University Park campus through April 29.

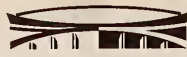
The exhibit, "Naked...and Not Ashamed," is a series of drawings that form an autobiographical narrative of Dillard's life.

Additional works from this series are being shown concurrently at the Paul Robeson Cultural Center. Dillard is a student in the Department of Art Education who will complete her master's studies in May.

Dance performance

"Allied Motion," a professional modern dance company in residence at Penn State Altoona, will perform "Steel Life" on scaffolding at 6 p.m. April 29. The performance is free and will be presented outdoors on the quad between the Smith Building and the Community Arts Center on the Penn State Altoona campus.

"Steel Life," was choreographed by KT Huckabee Milburn.



BRYCE JORDAN CENTER

Clint Black to appear

Award-winning country music artist and composer Clint Black, with special guests Trace Adkins and The Kinleys, will be making their first-ever appearances at The Bryce Jordan Center on the University Park campus at 7:30 p.m. Thursday, May 28. Tickets are \$24.50 and \$21.50 for reserved seating.

Since his 1989 debut, Black has set the country music world on fire with six platinum albums, more than 20 top-10 hits and a slew of awards and honors. His newest project is "Nothin' But the Tailights," currently No. 14 on Billboard's country albums chart, with the title track as the No. 5 Billboard country single.

Adkins was named the 1997 Top New Male Vocalist for the Academy of Country Music. His current release, "Big Time," is No. 20 on Billboard's country album chart.

The Kinleys, twin sisters Heather and Jennifer Kinley, deliver music steeped in tradition while still contemporary. Their debut album, "Just Between You and Me," is currently No. 23 on Billboard's Country Album chart.

Moody Blues coming

British rock legends, the Moody Blues, bring their classic and latest sounds in an all new tour to The Bryce Jordan Center at 8 p.m. Tuesday, June 16. Tickets are \$37.50 and \$27.50 for reserved seats.

Originally formed around 1964 as an R&B quintet, the Moody Blues first hit the charts in 1965 with a soulful cover of "Go Now."

Their album "Days of Future Passed" made rock history and yielded two major hits, "Tuesday Afternoon" and "Nights in White Satin" which later became the Moody Blues' signature tune.

Upcoming events

■ May 1: The Royal Lipizzaner Stallions, 7:30 p.m. Tickets are \$18 and \$16. Children and seniors receive a \$2 discount.

■ May 26: Yanni, 8 p.m. Tickets are \$53 and \$37.

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Unimart ticket outlets, Commonwealth campus and college ticket outlets, or by calling (814) 865-5555 locally, or toll-free at (800) 863-3336. For more information, visit the Web at <http://www.bjc.psu.edu/>.



DID YOU KNOW?

- 45% of American households now own a personal computer
- In the United States, about 56 million Americans (27% overall) are on-line
- Personal computers are now available for less than \$1,000; by the end of the year, PCs will cost \$500
- 82% of teens think strong computer skills and an understanding of technology will be essential for their future success
- 80% of teens use a computer on at least a weekly basis (CNN/USA Today/National Science Foundation/Gallup 1997 survey)
- 62% of public four-year higher education institutions offered distance education courses (National Center for Education Statistics October 1997 study)
- 72% of adults think more courses should be developed using satellites, TV, computers, and other long-distance methods (Dillman, 1995)

For more information

In addition to certificate and degree programs, the World Campus is looking for individual "elective" courses—existing on-line courses that faculty and departments want to make available to off-campus students. For more information on World Campus program processes and standards, contact: Gary E. Miller, Associate Vice President for Distance Education and Executive Director, World Campus, 211 Mitchell Building, University Park Campus, E-mail: gem7@cde.psu.edu or phone: 814-863-3248.

Learn more on the Web

The World Campus is open at the World Wide Web on WWW.WORLDCAMPUS.PSU.EDU. Several other Distance Education resources are available on the Web. Faculty should check out www.cde.psu.edu/DE/ for a variety of faculty resources and training tools for distance education. Penn State is associated with several national and international distance education organizations that also have useful Web sites: International Council for Distance Education: WWW.ICDE.ORG Canadian Association for Distance Education: WWW.CADE-ACEDU.CA Sloan Asynchronous Learning Networks: WWW.ALN.ORG

Newest campus is in cyberspace



GRAHAM B. SPANIER
PRESIDENT

In less time than it might take to design and construct a classroom building, Penn State faculty and staff members have built a new campus for Penn State—the World Campus.

First outlined by President Graham Spanier in his 1996 State of the University Address, the World Campus has progressed from idea to reality in less than two years, as a result of the efforts of faculty in lead academic colleges and staff members in Distance Education and Continuing Education, the Center for Academic Computing and other University support units.

During his 1996 address, Spanier discussed the need for a new campus:

We are living in a world in which lifelong learning is a necessity. Distance education gives the adult learner more flexibility over the time and place of study. It is a way to enhance access to our extraordinary faculty expertise to school children and to adults who need more education to keep pace with their changing work environment.

In order to respond to citizens' needs in the information age, I have convened a group with the purpose of exploring the potential for a "world campus" of Penn State. This "virtual campus" will not be built with brick and mortar but with the

creative use of technology led by our faculty to extend selected undergraduate and graduate programs nationally and internationally. Through this approach, we anticipate propelling Penn State's expertise not only to every citizen of Pennsylvania, but potentially to new students globally.

In January 1998, the World Campus became a reality when the course *Introduction to Turfgrass Management* enrolled its first students. A few weeks later, the first class in a four-course certificate program in Noise Control Engineering was launched, followed by a course in the postbaccalaureate certificate program in Chemical Dependency Counseling.

"The World Campus is a virtual campus that is extending some of Penn State's signature undergraduate, graduate, certificate and continuing education programs, for which there is an identified market need nationally or internationally to learners around the world," Spanier said. "It is much more than a collection of courses available through the World Wide Web and multimedia-based technologies. The World Campus brings together the expertise of renowned faculty members, learner support services and resources such as the University Libraries system."

Dr. James Ryan, vice president for Outreach and Cooperative Extension, describes the World Campus as "an alternate delivery system for extending a Penn State education to people who cannot attend classes at a University campus. This includes people already in the workforce who need flexibility in pursuing continuing education and training or want to prepare for career changes, as well as people isolated from higher education in rural areas."

"The World Campus does not duplicate the

traditional classroom experience," Ryan added. "Instead, it creates a new kind of learning environment where students and instructor who are separated from each other by miles or continents can learn together through the use of information technologies."

"The driving force behind the creation of the World Campus is the explosive growth of knowledge and the increased use of information technology," Spanier said.

"The growth of knowledge has fueled the overwhelming need for lifelong education that enables people to keep current and remain competitive," he said. "By some estimates, workers will need to spend at least 20 percent of their time engaged in learning, every day. Others say that just to keep even, we will need the equivalent of a full year of college instruction every seven years. In this country, this would translate to more than 20 million new full-time students each year. They would fill 672 residential campuses with an enrollment of 30,000 students each at a cost of \$235 billion to build and \$217 billion each year to operate. To meet the demand between now and 2010, this would require a campus to open every eight days. Worldwide, the estimate is more than 100 million new learners requiring 13,300 campuses. We can create those institutions—or find new ways of working together to meet these learning needs."

Penn State's response to this challenge is to creatively use information technologies to meet the increasing demand for lifelong learning options.

"I believe the World Campus will change the shape of the land grant university in the 21st century," Spanier said. "We are creating a university without walls that can provide 'anytime, anywhere' access to learning. This will have a powerful impact on the education and training needs of the people of Pennsylvania and learners worldwide."

Partnerships established for World Campus

Partnerships are playing a key role in the growth of the World Campus.

In an address during the 18th World Conference of the International Council for Distance Education last June, President Spanier noted, "We have entered a time when the need and potential for partnerships is unprecedented. In the new global environment that influences so much of what we do, we want to open our University to new international perspectives and partnerships that will enhance our entire learning enterprise that integrates teaching, research and public service."

With the creation of the World Campus, Penn State is actively pursuing partnerships with a variety of organizations.

"We can bring to such partnerships Penn State's expertise in a comprehensive array of areas and special strengths in technology. What we need from others are academic services to balance our own and new relationships with client organi-

zations that complement those we already have established so that together we are able to deliver the best possible programs to mutual clients," Spanier added.

To date, Penn State has established partnerships with the Golf Course Superintendents Association of America and the National Association of Alcohol and Drug Abuse Counselors.

In an unprecedented move to recognize external education programs and partner with other educational providers, the GCSA Board of Directors passed the motion to approve a partnership with the Penn State World Campus to offer courses to their 18,500 members. Members who complete Turfgrass Management courses offered through the World Campus can apply the courses toward the association's certification for golf course superintendents. The association is promoting Penn State's Turfgrass Management courses on its Web site and in its newsletter and professional development catalog.

Deena Amont, director of education for the association, said, "Our goal is to promote quality continuing education programs to members and to offer recognition for members' efforts. By increasing accessibility to more and varied educational opportunities, we can better meet the diverse needs of our members. The PSU Internet-delivered program is a well-respected, challenging program that offers a new exciting educational opportunity to our members."

The National Association of Alcohol and Drug Abuse Counselors has officially recognized Penn State as an approved educational provider of Chemical Dependency Counseling courses for its members. NAADC is linking the World Campus to its Web site, promoting the courses in newsletters and exploring mutually beneficial marketing opportunities for the World Campus-delivered courses.

Penn State faculty and CLEO Development staff members also are



Sloan Foundation supports World Campus development

Dr. Frank Mayadas, program officer of the Sloan Foundation, is pictured here on one of his trips to Penn State to meet with the World Campus Strategic Planning Team. The Sloan Foundation presented Penn State with a \$1.3 million grant to help create the World Campus. Mayadas said, "The Sloan Foundation is committed to the democratization of education through technology, ensuring that every learner who wants to learn has the opportunity." The grant is part of the foundation's Asynchronous Learning Network program, which supports projects using technology to extend educational access to adults. Established by Alfred P. Sloan in 1934, the New York City-based foundation annually awards grants for projects in science, technology, education and selected national issues.

World Campus increases access to Penn State

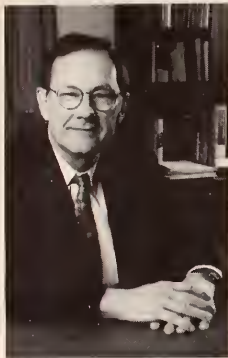
Penn State's World Campus will further enhance the University's reputation as one of the major research universities in the country while increasing access to higher education, according to Dr. John Brighton, executive vice president and provost.

The World Campus combines more than 100 years of commitment to outreach and the land-grant mission with leadership in instructional technology to link learners to the University's expertise regardless of where they live and work.

Multiple technologies are used to present information, facilitate interaction between students and faculty and provide student access to learning resources, resulting in a new type of learning community that is student-centered.

Launched in January, with support from the Alfred P. Sloan Foundation, the World Campus now offers an undergraduate Turfgrass Management Certificate program (College of Agricultural Sciences), a post-baccalaureate Noise Control Engineering noncredit certificate program (College of Engineering) and an upper-division credit certificate program in Chemical Dependency Counselor Education (College of Education).

These programs were identified in collaboration with faculty, with extensive market research



JOHN A. BRIGHTON
EXECUTIVE VICE PRESIDENT AND PROVOST OF
THE UNIVERSITY ENVISIONS A WORLD CAMPUS
THAT WILL INCREASE ACCESS TO PENN STATE
PHOTO BY DAVE SHELLEY—UNIVERSITY PHOTOGRAPHICS

devoted to identifying learner needs and preferences.

Upcoming programs include a credit certificate in Business Logistics and Fundamentals of Engineering, a professional engineer preparation program.

"In five years, we anticipate that more than 30 credit programs and a wide variety of courses will be available to meet the education and training needs of people around the world," Brighton said. "Research is ongoing to determine the needs of various audiences and to test program ideas with those potential students. Faculty have been an integral part of identifying needed new programs and in establishing connections with business and industry that in turn enhance their work at the University."

To support faculty members teaching in the World Campus, administrative procedures and guidelines for course development are being established, and a support staff of programmers and instructional designers and technologists is available to assist faculty.

While courses for the World Campus can originate in academic units as well as in program development units around the University, academic authority for all courses remains with the faculty and the colleges.

The same technological innovations currently supporting advancements in instruction in Penn State's classrooms also are used in World Campus programs.

Brighton stated, "While technology does not drive program development, it helps shape the nature of learning in important ways. The needs of learners and the academic integrity of our faculty and colleges are the impetus to establishing World Campus programs, just as is the case for our resident instruction programs. Among the challenges faced by the World Campus are to have a meaningful reward system for faculty, to be sensitive to the changing educational needs of learners and to match faculty members' expertise with the educational programs that are needed."

One key to the success of this initiative will be the partnerships that Penn State forms with other universities around the world, with professional associations and with the private sector.

Partnerships will help the University identify programs that meet the needs of various employer and professional groups and will enable faculty to expand the scope of their teaching and research.

These relationships also will enable the University to most effectively use resources while expanding access to education.

Today, World Campus students are enjoying the benefits of a Penn State education from the convenience of their homes or offices. The World Campus offers an environment where they can learn at their own pace and at times and places of their choosing.

This environment is supported by student services, Brighton noted, such as library access, computer accounts, on-line registration, advising, financial aid information, general problem solving and career development services.

"It is essential for students to be able to communicate electronically with their instructors and to access their courses anytime—even at 2 o'clock in the morning as some of our current students are doing."

And he also said, "Because classes are cohort-based, students also have the opportunity to interact with each other and to learn as a group in somewhat of a virtual classroom. We will continue to assess student needs and develop services and programs to meet the special needs of World Campus students. We are very pleased with the introduction of the World Campus and look forward to new programs and partnerships that enhance Penn State's ability to attract students and faculty."

World Campus means new source of revenue for academic units

As a component of the University-wide Income Sharing Plan adopted by the Provost and Council of Academic Deans in February, the World Campus provides colleges and departments with opportunities to generate new income.

Here's how it works:

- The department head, working in collaboration with World Campus staff, develops a program budget. The budget is formalized into a Program Agreement which defines financial

projections, including income-sharing targets. The Program Agreement also defines any other funding sources allocated to the program.

- Income sharing is based on net income which is defined as gross tuition income minus unfunded program expenses.
- The college will receive 50 percent of net income until the World Campus has recovered any initial course development investment funds. After the investment funds have been recovered, the college will receive 80 percent of net income. Departments will realize a substantial share, creating a new pool of funds for departmental activity.

'Signature' programs are the hallmark of the World Campus

"Penn State is the home of many unique programs that are respected around the world. The World Campus will allow us to extend these programs to learners everywhere," said Gary E. Miller, associate vice president for distance education and executive director of the World Campus.

This "niche market" strategy is central to the goals of Penn State's newest campus. Many universities around the United States are planning to launch "virtual campuses" in the coming months. The competition is not limited to U.S. institutions. Even the famed British Open University is planning to open a U.S.-based program to add to the increasing diversity of distance education available to Americans at work and at home.

"World Campus programs will be characterized by several factors that will make the World Campus stand out in a very competitive environment," Miller said. "First, they will represent some of Penn State's best specialized programs. These are programs for which Penn State already has a strong reputation and where the potential students are spread around the country and globe. The World Campus will allow us to aggregate these dispersed students into a learning community led by faculty with national reputations."

In addition to academic reputation, each World Campus program must meet several other standards. They must have an identifiable and sustainable student population at the national level. The program must be ready for World Campus delivery that means that it must be approved and faculty must be available to teach it as part of their workload. And, of course, the program must be suitable for delivery through the various technologies available to the World Campus.

This strategy will ensure that Penn State's World Campus stands out amid the competition.

WORLD CAMPUS PROGRAMS

Launched Spring Semester 1998

Counselor Education Chemical Dependency Program
Fundamentals of Engineering
Noise Control Engineering Certificate
Turfgrass Management Certificate

Beginning Fall Semester 1998

Business Logistics Certificate
Dietary Systems Management Associate Degree
Geographic Information Systems Certificate
Professional Certificates in Electrical Engineering

World Campus staff are currently working with department heads and faculty to define and begin market research for more than 20 additional programs that have been proposed by academic units in 11 colleges. These include several programs that have been requested by external organizations.

Other Initiatives . . .

Traditional institutions of higher education are offering more technology-based programs to students. In addition to Penn State, the early leaders include:

University of Minnesota
University of New York
Duke University
University of California at Berkeley
University of Wisconsin
Indiana University

Purdue University
University of Michigan
Michigan State University
Florida State University
Brown University
Cornell University
Yale University

Stanford University
University of Illinois
Oklahoma University
UCLA

The Office of Outreach Communications provides a monthly environmental scan to keep abreast of new initiatives in this dynamic learning environment through the listserve.

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J. RYAN



R. ERICKSON



R. STEELE



C. ACHTERBERG



G. MILLER



A. TURGEON



C. BURROUGHS



R. GOMORY



D. WORMLEY

Leadership perspectives

James H. Ryan

Vice President, Outreach and Cooperative Extension

"The way to meet the increasing demand for education and training is not to build more physical campuses, but to create a new approach to education that effectively uses technology. Penn State's World Campus does just that, creating an information-rich, highly interactive learning environment that responds to the needs and circumstances of individual learners. It also creates important access to the University's best programs and faculty."

"Since President Spanier outlined his vision for a virtual university in his State of the University Address in 1996, a broadly based team of faculty and staff has worked diligently and creatively to realize the President's vision. Their efforts and those of many others made it possible to launch the World Campus in January."

"We have taken the first critical steps in creating faculty interest, support systems, marketing and the technology infrastructure needed to serve a global student population. Now, we are focusing our energies on expanding the World Campus' courses and programs."

"To assure this effort meets Penn State's rigorous academic standards, we have asked the Center for the Study of Higher Education to develop a comprehensive evaluation of the World Campus around the key variables, including creating access, student performance and satisfaction, learning effectiveness, and faculty satisfaction."

Rodney A. Erickson

*Vice President for Research
Dean, Graduate School*

"There are tremendous opportunities for delivering high-quality educational programming with new and emerging technologies. With the World Campus, Penn State is well-positioned to be a major contributor."

"We are charting new territory in many ways, and I have tried to promote necessary institutional changes while laying the groundwork for careful

assessment of learning outcomes in these new formats."

"In the Graduate School, I envision an array of professional master's degrees and certificate programs that could be delivered effectively through the World Campus. Many of our peer institutions are also moving quickly to enter this market, as traditional resident graduate enrollments have stabilized or fallen. The possibilities for delivering high-quality programs to students employed in business and government—or who cannot otherwise attend a residential campus—are enormous."

Robert D. Steele

Dean, College of Agricultural Sciences

"It is appropriate and important for us as a university to explore the application of evolving new technologies in our continuing education and distance education activities."

"As dean of the College of Agricultural Sciences, my role is to encourage and facilitate the involvement of our faculty and staff in these activities. I have asked them to explore the use of the World Campus as it might apply to our instructional and outreach programming."

"Their creative responses to this new challenge are in keeping with the College of Agricultural Sciences' history of conducting continuing and distance education programming throughout the 20th century. The rapidly evolving technologies being explored through the World Campus will ensure that we continue to meet our land-grant mandate."

Cheryl Achterberg

Dean, The Schreyer Honors College

"As dean of The Schreyer Honors College, I'm especially interested in providing opportunities for our scholars to keep up with their courses here while they are studying or doing research abroad. The World Campus makes this possible. I'm also interested in establishing multinational courses that enable students in different loca-

tions around the world to collaborate in a course. This ties in with my goal to help internationalize the curriculum for undergraduate students in The Schreyer Honors College."

"In my role as professor of nutrition, I think it is extremely important for health professionals working in rural areas of the West and Southwestern United States, in particular, to keep up to date with new developments in health and science and to have opportunities to pursue graduate degrees and research. I have worked extensively with these professionals using satellite teleconferences to extend Penn State's research. The World Campus will make it possible to greatly expand access to our education and training programs."

Gary E. Miller

Associate Vice President for Distance Education

Executive Director of the World Campus

"What is exciting about the World Campus—and one thing that makes it unique from similar projects at other institutions—is that it is not an isolated initiative. Instead, the World Campus is part of a web of innovation that extends throughout Penn State as faculty integrate technology into how we teach and learn on campus, between campuses and, through the World Campus, off campus. Many Penn State faculty are using technology to create an active learning environment. In the World Campus, that translates into using the Web to create a resource-centered environment in which geographically dispersed students can become part of an on-line learning community."

A. J. Turgeon

*Professor of Turfgrass Management
College of Agricultural Sciences*

"Like a lot of teachers, if I had my choice, I'd rather have my students with me, but I believe we can provide a quality educational experience for students using the unique capabilities of the Web. One of the advantages the World

Campus provides is the wherewithal for me to extend my educational reach to a lot more students worldwide."

"Institutionally, the World Campus will enable Penn State to take a leadership position globally. Because our Turfgrass Management program is one of the top programs of its type in the world, it is one that can help establish the World Campus as a high-quality global educational resource."

"I'm really excited about the possibilities. My dream is to have cohorts of students from all over the world so that I can put together teams of students from different countries and even different continents. This will make a rich learning experience for students."

Courtney B. Burroughs

*Associate Professor of Acoustics
Graduate Program in Acoustics*

"For the Graduate Program in Acoustics and Penn State, the World Campus opens new opportunities to reach a whole new audience we wouldn't normally be able to reach. These are people who need education in noise control engineering that are already working. We also have an opportunity to use computers and animations in our teaching. This is very exciting and all very new. I expect the World Campus to be a winner."

"Our students tell us they like taking courses at their own pace. She has her own consulting firm specializing in environmental noise control. She has 20 years of experience in the field but would like to have formal training. Another student, a recent Penn State mechanical engineering graduate, finds himself working in the noise control field and needs additional training. The World Campus is helping both meet their education needs, without interfering with their work."

Ralph Gomory

President, Alfred I. Sloan Foundation
"I think we are at the beginning of a significant transformation in education. A transformation that will add to the long-standing and traditional methods of

education by introducing new capabilities made possible with the imaginative use of cutting-edge technologies. We are entering an era where education and training will be available to anyone, anytime, anywhere."

"Today we are in possession of technologies that, properly used, do enable learning to leap over the limitations that have always bound the professor and his or her class to be in the same place at the same time. The technical possibilities that now exist enable us to cut free of that synchrony of time and place which has characterized learning to date. Asynchronous Learning Networks make it possible to learn at home or at work by means of a computer connected to a network via a modem and to the professor and classmates. We think that this and other variations will make a profound difference in higher education."

David Wormley

Dean, College of Engineering

"Penn State is in a unique situation with the opportunity to involve faculty in continuing education and distance education programs. A revenue-sharing model for collaboration between the University, the offices of Continuing Education and Distance Education, and colleges and departments has recently been implemented to encourage and support the development and delivery of distance education and continuing education programming. We, in the College of Engineering, have learned a great deal from our experiences in developing the Acoustics programs under Sloan Foundation support and believe that significant additional opportunities exist which can now be developed to provide timely and important education and training for both industry and government in the United States and beyond."

PENNSTATE
World Campus



Students in Arizona and Pennsylvania learn together

Craig Gustin (photo at left) at Blackridge, Pa., and Debbie Courney and Craig Carlson (photo at right) in Tucson, Ariz., have something in common. All three are enrolled in the same course, Turfgrass Management 235, offered through the World Campus. Using the information technologies of the World Campus, they can compare notes about the soils and climates at the golf courses in their regions as they work on projects for the course. Dr. A.J. Turgeon, professor of turfgrass management in the College of Agricultural Sciences, is teaching the course, which is part of the five-course credit Turfgrass Management Certificate program.

Partnerships

continued from page 1

involved in partnership discussions with the National Association of Addiction Treatment Providers, the Institute of Noise Control Engineering, the Sports Turf Managers Association and the American Society of Mechanical Engineers.

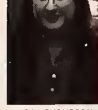
Melinda Stearns, director of Outreach Client Development, stated, "We have only begun the process of partnering with key professional associations and corporations. These mutually beneficial relationships are resulting in the dissemination of knowledge necessary for members and employees to grow within their present profession. We are taking important first steps with these organizations, and once we've established a closer relationship and demonstrated the value of collaborating with Penn State, we have the opportunity to broaden our offerings by tapping into the vast resources and faculty expertise at the University. We can provide the right educational solutions across disciplines."

The effectiveness of distance learning

By Melody Thompson, D.Ed.
Assistant Professor of Adult Education

One question that always arises in relation to distance learning is "How effective is it?" Because supporters often stress benefits such as cost-effectiveness and increased access, people wonder whether they might have to compromise on educational effectiveness to get these benefits.

For almost 70 years, educators, psychologists and others have studied various forms of teaching and learning at a distance in order to answer this key question. Looking first at correspondence instruction, then at instruction via technologies such as radio, television and audio- video- and computer conferencing, these researchers have overwhelmingly reported that *students in well-designed distance learning programs performed as well as or better than those in traditional face-to-face programs, based on standard performance measures.* This result has been reported for learners at different educational levels, for many subject areas and in a variety of contexts (Chute, Thompson and Hancock, in press, *The McGraw-Hill Handbook of Distance Learning*).



MELODY THOMPSON

Below is a sampling of research results on the effectiveness of distance education delivery methods for higher education and outreach activities. These results are representative of the hundreds of studies reported in *The Effects of Distance Learning* (Moore and Thompson, 1990, 1997), published by Penn State's American Center for the Study of Distance Education and extracted in "The No Significant Difference Phenomenon" (Russell, 1996), published by North Carolina State University.

- In an undergraduate applied statistics course taught using text posted on-line, E-mail, newsgroups, chat rooms and electronic homework assignments, students in the Web-based virtual classroom tested 20 percent better than students who learned the material in a traditional classroom. There was statistically no difference in the sex, age, computer experience or attitude toward the subject material of the two groups, and both groups were given the same tests under the same conditions (Schutte, 1997. *CSU, Northridge*; <http://www.csun.edu/~sociology/virexp.htm>).
- A comparison of the academic performance and level of interaction of undergraduate students in three delivery contexts—traditional instruction, face-to-face instruction in a studio classroom and teleconferenced instruction—found that participants in the distance group scored significantly higher than those in the studio group and comparably to those in the traditional group. (Richie and Newby, 1989. *The American Journal of Distance Education*)
- A study of differences in the performance of students in a graduate-level library science course taught both by teleconferencing and in a traditional classroom setting found: 1) no evidence to support the idea that face-to-face instruction is the optimum delivery method, 2) that instruction by teleconferencing can facilitate learning as well as or better than classroom instruction and 3) that the absence of face-to-face contact is not detrimental to the learning process. (Weingand, 1984. *Teleconferencing and Electronic Communications III, U. of Wisconsin-Extension*)
- Using performance on exams, term papers and homework assignments to compare the achievement of Master of Technology students receiving instruction traditionally or at a distance, a researcher found that distance students as a group scored significantly higher than did the traditional students. Distant students also reported gaining "a broadened network of valuable colleagues, skills in working with others and collaborating across distance and many social skills beyond those offered by traditional classroom settings." (Soudier, 1993. *The American Journal of Distance Education*)
- A comparison of the achievement of students enrolled in a special education certification program delivered either traditionally or via interactive television found that distance and traditional learners achieved at comparable levels and that the retention rate was identical for the two groups. (McCleary and Egan, 1989. *The American Journal of Distance Education*)
- In two graduate education courses offered by means of computer-mediated communication (CMC) the dropout rate was as low as or lower than that in on-campus courses, and the performance of CMC students was as high as or superior to that of students receiving traditional instruction. (Davie, 1988. *Journal of Distance Education/Revue de l'enseignement à distance*)
- In a project to teach interactive videoteleconferencing for course hands-on instruction to science teachers and computer conferencing to link participants to provide work, networking and access to resources, participants reported becoming more independent in their learning, increasing levels of interdependence and collaboration with peers and transferring learning into their own teaching. (Jaeger, 1995. *The American Journal of Distance Education*)
- Researchers evaluating the effectiveness of videoconferencing for teaching cardiac arrest skills found no significant difference in the performance of skills between participants receiving in-class instruction and those taught at a distance. (Williams, 1992. Doc. Diss., Columbia Pacific University)

This publication is available in alternative media on request.

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PENN STATE'S WORLD CAMPUS

Inquiry and enrollment figures from January 1998 to March 1998

- More than 700 inquiries from 47 states, 2 territories and 22 countries
- 64 applicants and 54 registered students in five courses
- First International student enrolled from Chile—Turgrass Management Program

Penn State is leading the way:

A century of commitment to distance education

- 1892—Penn State was one of three universities that launched correspondence study, building on the still-experimental system of Rural Free Delivery to meet the agricultural education needs of isolated farmers.
- 1920s—With the advent of radio, Penn State opened a high-power radio station and offered live radio courses to students as far away as California.
- 1950s—In response to rapid postwar growth in student population, Penn State installed a live instructional television system connecting 24 classrooms with a studio for one-way video, two-way audio transmission of courses on campus.
- 1978—Penn State installed its first satellite downlink. By 1987, all 17 Penn State campuses were equipped with downlinks, with an uplink at University Park.
- 1986—Penn State was an early innovator in the use of interactive compressed video by installing dedicated T-1 lines connecting the University Park campus with the Hershey College of Medicine and The Behrend College in Erie.
- 1988—The American Center for the Study of Distance Education was established as the home of *The American Journal of Distance Education*.
- 1994—Penn State established the Department of Distance Education.
- 1997—The International Council for Distance Education held its 18th World Conference at Penn State, capping a series of national and international conferences on distance education that began in 1994.
- 1998—The first students enroll in signature Penn State programs offered through the World Campus. In the coming years, diverse groups of learners will have access "anytime, anywhere" to the education and training they need throughout their lifetime.

World Campus Steering Committee

Provides a University-wide perspective on policies and programs related to the development of the World Campus and ensures the creation of a learning environment that provides the highest-quality experience for distance education.

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Julien F. Biebuyck Senior Associate Dean, Academic Affairs College of Medicine	Peter C. Jurs Professor Faculty Senate Physical Chemistry	James H. Ryan (Chair) Vice President for Outreach and Cooperative Extension Outreach and Cooperative Extension
Patricia A. Book (ex officio) Associate Vice President for Outreach Executive Director, Division of Continuing Education Outreach and Cooperative Extension	Beverly Lindsay Dean University Office of International Programs	Jorge R. Schement Co-Director, Institute for Information Policy College of Communications
John H. Cahir Vice Provost and Dean Undergraduate Education	Gary E. Miller (ex officio) Associate Vice President Distance Education Executive Director, World Campus	Melody M. Thompson (ex officio) Assistant Director for Operations and Evaluations World Campus
Nancy L. Eaton Dean University Libraries		

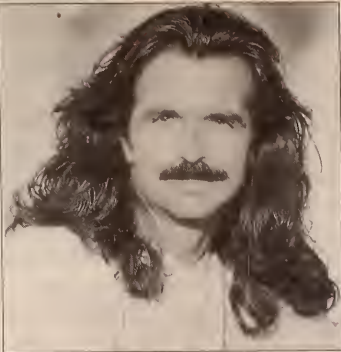
UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, April 24
David Gilem, gallery talk on "American Prints between the Wars," 2 p.m., Christoffers Lobby, Palmer Museum.
Ice Rhythms '98, 7:30 p.m., Ice Pavilion, through April 25. For tickets, call (814) 865-4102.
■ "An Evening of Kyogen," 8 p.m., Pavilion Theatre, through April 27. For tickets, call (814) 863-0255.
Saturday, April 25
Essence of Joy, "Melodies from Heaven," Anthony Leach, director, 5 p.m., Recital Hall. For tickets, call (814) 865-0431.
Sunday, April 26
University Choir and Concert Choir, two events: chapel service, 11 a.m., Schwab Auditorium; combined-choir concert, 4 p.m., Eisenhower Auditorium. For tickets to 4 p.m. event, call (814) 863-0255.
Glee Club Concert, 2 p.m., Recital Hall. For tickets, call (814) 865-0431.
Tuesday, April 28
■ Nittany Valley Symphony, Mahler Symphony No. 3 with Jan Wilson, 8 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.
Wednesday, April 29
Spring Arts and Crafts Sale, 9 a.m. to 5 p.m., HUB Fishbowl, through May 2.
"Ageless Heroes," featuring Joe Paterno, 9 p.m., WPSX-TV.
Thursday, April 30
Bach's Lunch Concert, flute ensemble, 12:10 p.m., Eisenhower Chapel.
Chamber Orchestra, 8 p.m., Recital Hall.
Sunday, May 3
■ Castalia Trio, 8 p.m., Recital Hall.

SEMINARS

Friday, April 24
Frank R. Tittel on "Detection of Trace Gas Contaminants Using Infrared Diode Laser-Based Methods: From the Laboratory to Space," 2:30 p.m., SS Osmond Laboratory.
Larry McLeran on "Small x Physics and Why it is Interesting," 3 p.m., Davey Laboratory.
Toby Parcell on "From Welfare to Work: Implications for Children in the 21st Century," 3:30 to 5 p.m., 103 Willard.
Lakshman Yapa on "How Social Science Helps Perpetuate Poverty," 4 p.m., 206 Walker.
■ Veronique Föll on "Heidegger and the 'Way of Art': The Empty Origin and Contemporary Abstraction," 4 p.m., 124 Sparks.
Michael Podolski on "Save Selene," 7:30 p.m., 113 Carnegie.
Saturday, April 25
Richard L. Shultz on "Raw Material Challenges of the Dynamic New Steel Industry, Will They Be Met?" 10:30 a.m., 112 Siedle.
Monday, April 27
■ Thomas Colledge on "A Constructivist Approach to the Design of a Constructed Wetland for Waste Treatment" and Handan Erturk on "Photocatalytic Micropropagation of Sugarcane," 12:20 p.m., 239 Agricultural Engineering.
■ Gerhard Strasser on "Music and Cryptography from the Renaissance to Modern Times," 12:40 to 1:20 p.m., 101 Kern.
Tuesday, April 28
Amos B. Smith III on "The Design and Synthesis of Nonpeptide Peptidomimetics: From Neuropeptide Hormone Agonists and Antagonists to Inhibitors of Aspartic Acid Proteases," 12:15 p.m., SS Osmond Laboratory.
Santokh Badesha on "Nanocomposites in Electrophoresis," 1 p.m., 189 Materials Research Laboratory.
Elizabeth Bucher on "In Vivo Studies of Troponin T in the Control of Muscle Contraction," 4 p.m., 8 Mueller Laboratory.
Charles Stephenson on "Vitamin A and Pneumonia," 4 p.m., S-209 Henderson.
Wednesday, April 29
■ James Roney on "Mickiewicz and Pushkin: Petersburg, Poetry and National Identity," noon to 1 p.m., 316 Burrows.
■ Paul Lawrence Rose on "Heisenberg: Deception, Self-Deception and the Nazi Atomic Bomb," 12:30 p.m., 102 Weaver.
John Schwarz on "The Second Supersting Revolution," 3:30 p.m., 117 Osmond Laboratory.
Burton Caine on "The Internet and the First Amendment," 7 to 8:30 p.m., 112 Kern.
Thursday, April 30
Lee Shulman on "Teaching and Learning: New Approaches in the University," 11:30 a.m. to 1 p.m., The Penn Stater.
Lloyd M. Smith on "Making DNA Fly: Electrophoresis in Thin Air," 12:15 p.m., SS Osmond Laboratory.
James Merrell on "Rethinking Conrad Weiser and the Colonial American Frontier," 12:30 p.m., 102 Weaver.



Coming soon

Contemporary instrumentalist/composer Yanni will perform at The Bryce Jordan Center on the University Park campus at 8 p.m. Tuesday, May 26. For tickets, call (814) 865-5555 or (800) 863-3338.

Michael Peskin on "Superspectroscopy: The Next Frontier in Elementary Particle Physics," 3:30 p.m., 101 Osmond Laboratory.
John Singleton, writer and director, 8 p.m., Schwab Auditorium.
■ Paul Lawrence Rose on "Heisenberg: Deception, Self-Deception and Nazi Atomic Bomb," 8 p.m., Palmer Museum.

Friday, May 1
Michael Peskin on "Wall-to-Wall Supersymmetry Breaking," 11 a.m., 339 Davey Laboratory.

CONFERENCES

Friday, April 24
Alternative Health Care and Integrative Medicine Conference, The Penn Stater, through April 25.
Sunday, April 26
The Fifth Penn State Green Design Conference, 11 a.m. to 2 p.m., Café Laura and the Keller Building.
Monday, April 27
Better Process Control School, The Nittany Lion Inn, through April 30.
Wednesday, April 29
The 42nd Educational Secretaries/Office Personnel Conference, The Penn Stater, through May 1.
Thursday, April 30
PCOMP Loss Control Workshop, The Penn Stater.
Wednesday, May 6
Pastor Volunteer Recognition, The Penn Stater.

EXHIBITS

Computer Building
"Naked, and Not Ashamed," by Tiaa Dillard, through April 29.
HUB Browning Gallery
"The Celebration of Visual Traditions: Part V," through May 17.
HUB Sculpture Corner
"Peace Talks," by William Engle, through May 21.
Kern Exhibition Area
"Wildlife and Wild Places," by Cecil and Doris Theobald, through May 10.
Pennsylvania Guild of Craftsman's display, through May 10.
North Halls Cultural Lounge
Paul Zuber displays large collage and relief sculpture, through May 7.
Palmer Museum of Art
"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.
"American Printmakers, 1920 to 1945," through June 14.
"All That Is Glorious Around Us: Paintings from the Hudson River School," through May 17.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calcenda/>

Penn College takes lead in NSF project

Pennsylvania College of Technology is taking the lead in a National Science Foundation (NSF) project aimed at enhancing plastics technology education. Penn College is the only plastics education program in the U.S. providing associate degree-level training for plastics technicians that is accredited by the Technology Accreditation Commission (TAC) of the Accreditation Board for Engineering and Technology (ABET).

The college will serve as the lead institute for the initiative and partner with Penn State and the University of Massachusetts at Lowell. The NSF project will focus on the development of practical, hands-on training and the production of educational materials that are largely unavailable in the plastics education field. Examples of such materials include textbook modules, CD-ROM materials, laboratory kit packages, and "virtual" process machine and instrument packages.

By improving the instructional methods and materials currently being used by college faculty and enhancing the instruction and training of future plastics technicians, the project aims to bridge the gap between the flourishing plastics manufacturing industry and its dire need for trained technicians.

Because the plastics business is a fairly young industry and plastics education itself is only about 40 years old, educational materials and resources are limited. This initiative will help remedy that situation, according to Timothy E. Weston, assistant professor of plastics technology in Penn College's School of Industrial and Engineering Technologies and principal investigator for the NSF project. He is coordinating the project along with Paul C. Painter, professor of polymer science at Penn State, and Ross Stacer of the University of Massachusetts.

In addition, the project will establish an instructor training program at the University of Massachusetts at Lowell as a resource for faculty entering the field of plastics technology education.

Support for these efforts is provided by the NSF's Advanced Technological Education Program, which awarded \$600,735 in federal grant funding. With the three institutions providing matching funds of \$76,349, the total project cost reaches \$677,084.

Arts

continued from page 8

Film Festival continues

The Highacres Film Festival at Penn State Hazleton will continue on Wednesday, April 29, with a viewing of the movie "The Crying Game" at 7 p.m. in room 1 of the Kostos Building. The public may attend this free event.

Instructor in communications Daniel Meltzer will host the presentation and lead a discussion. For more information, call (717) 450-3179.

Flute Ensemble

The Penn State Flute Ensemble will perform at the final Bach's Lunch concert for the spring semester at 12:10 p.m. Thursday, April 30, in the Helen Eskin Eisenhower Chapel on the University Park campus.

The free, 20-minute concert is part of the Bach's Lunch series, sponsored by the College of Arts and Architecture and the University Lutheran Parish.

Timothy Hertz, associate professor of music, directs the Flute Ensemble this semester. The ensemble is composed of students Megan Edwards, Emily Yohe, Sharon Kaplan, Kristy Yeager, Melissa Harris, Amanda Schnader, Donna Sansone and Johanna Steinbacher, all of whom study with Eleanor Duncan Armstrong, associate professor of music.

After the concert, audience members may take their bag lunches to the Roy and Agnes Wilkinson Lounge, in the Eisenhower Chapel. Coffee and tea will be provided.

Chamber orchestra

The Penn State Chamber Orchestra will present its final concert at 8 p.m. Thursday, April 30, in the School of Music Recital Hall on the University Park campus.

The concert is free to the public.

World premiere

The Castalia Trio, composed of three faculty members in the music department, will give the world premiere of "Cold Mountain: Seven Shih for Piano Trio" by Bruce Trinkle, associate professor of music, at 8 p.m. Sunday, May 3, in the Recital Hall of the Music Building, University Park. The performance is free to the public.

The members of the Castalia Trio are Marylene Dosse, professor of music; James Lyon, associate professor of music; and Kim Cook, associate professor of music. They will be joined by Professor Pu-Qi Jiang, director of orchestras at Penn State, for a three-week performing and lecture tour of the People's Republic of China. Their tour, lasting from May 14-June 3, will take them to Beijing, Nanjing, Jinan and Shanghai.

Sculpture on display

Art on the Move, a traveling exhibition program of student art, is featuring the work of Paul Zuber in the North Halls exhibit area on the University Park campus through May 7.

Zuber, an area native, is an undergraduate working toward a bachelor of fine arts degree.

Fine crafts

Works by members of the Central Pennsylvania chapter of the Pennsylvania Guild of Craftspeople are being shown in the exhibition area of the Kern Graduate Commons on the University Park campus through May 10.

The pieces shown in the exhibit span a wide variety of media, including fabric and fiber, paper in various forms, pottery and porcelain, wood and bronze, and natural objects. "Fine Crafts: A Community Affair" is the organization's theme for 1998.

Kern exhibit

The work of Cecil and Doris Trueblood is being shown at the Kern Exhibition Area, Kern Graduate Commons, University Park, through May 10.

"Wildlife and Wild Places" features animal and landscape photographs that express the beauty and significance of the natural world. The Truebloods hope their exhibit will lead viewers to reflect on how preserving the beauty of the landscape and accessibility to wildlife is connected to the pressure to develop rural areas, and how our collective actions influence our future and the future of wildlife.

The Truebloods have doctorates in education, and both of them have taught in the Pennsylvania public school system and in the College of Education at Penn State. They currently operate the photography studio Professional Dynamics Inc., which produces original photographs and photo note cards from images shot throughout the United States.

Multicultural exhibit

"The Celebration of Visual Traditions: Part I" is being shown in the Browning Gallery of the HUB on the University Park campus through May 17. This exhibition continues a series that began at the Three Rivers Arts Festival in Pittsburgh and is designed to promote the visual traditions of multicultural communities.

This year 30 images by artists from throughout the state, representing a variety of ethnic and cultural backgrounds from the Far East to the East Africa, have been selected. The works include more traditional representative pieces as well as abstract images and constructions.



Say cheese!

Kenneth Babe, corporate controller at University Park, right, gets his photo taken for his new 16-card. All employees must have their photos taken for the new cards, which will be the only ones accepted after June 7. Photos are being taken now through May 1 at University Park. For schedules at other locations, check the local campus card offices.

Photo: Greg Gieco

Highlight on Undergraduate Education

Abington students ready for international competition

BY MARY S. RISLEY

Special to Intercom

Students in Bob Avanzato's engineering honors class at Penn State Abington have been preparing all semester to fight a fire. But their fire-fighting tools aren't trucks, axes or hoses. They're computer-designed robots that will compete this month in an international competition at Trinity College in Hartford, Conn.

Working in teams, Avanzato's students have been learning how to program shoebox-size robots that can find their way through a model house and extinguish a fire. In last year's Fire-Fighting Competition, students from Abington won first place. Other Abington teams placed third, fifth and ninth in a contest that attracts contestants from all 50 states and 19 countries. Participants include not only students, but professors and engineers as well.

At the beginning of the semester, Avanzato's class was divided into three-member teams and given prebuilt robots. The teams then programmed the robot's computers and modified their designs using LEGO building blocks. For the past few weeks, the student teams have been troubleshooting and perfecting their robots.

"The group interaction is a big help," said Michael Knopp, a student in the class. "I think the fact that we have three people in our group that all excel in different areas associated with the robot design will help to advance the group development and learning."

"This is a much better experience for the students," Avanzato said. "The students are getting something extra. They are learning to work in teams."

At the fire-fighting competition, teams place robots at the doorway of an 8-foot-by-8-foot model home. The robots, which are programmed by the teams, have infrared detection sensors which allow them to "see" the walls of the house and negotiate through the model home to the fire. The same sensors allow the robot to "feel" the flame — generated by a candle — and extinguish it with a squirt of water.

"While this project would probably be possible for a single person, working in teams allows us to separate the work load and, more importantly, bring up concerns that a single person would never notice," said Knopp. "I've learned to effectively discuss ideas with my teammates and express my concerns to the group."

While looking for a summer co-op position, Knopp found that many companies are using various forms of group development. He hopes that by learning how to effectively act in a group project, he'll have an edge in the professional world.

Teammate Julie Thomas echoes Knopp's thoughts.

"I believe this class will help me in the professional world because I'm already leaning how to get along with others and their opinions," she said. "I'm also learning that there are more ways than one to solve a problem."

In support of his innovative and collaborative teaching methods, Avanzato has received two grants from Penn State's Schreyer Institute for Innovation in Learning. The Schreyer Institute's mission is to promote team-centered learning and creative teaching techniques.

Awards

Associate professor earns high honor

Jerry L. Workman, associate professor of biochemistry and molecular biology and associate investigator of the Howard Hughes Medical Institute, has been selected as a Stohlmman Scholar by the Leukemia Society of America.

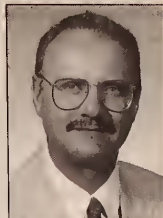
Workman's laboratory researches the mechanisms of gene regulation. In particular, Workman studies the identification and characterization of protein complexes that disrupt and/or modify the structures

of chromosomes and turn on gene expression. A chromosome, the gene-containing structure in a cell's nucleus, is a rope-like molecule of DNA tangled up with proteins.

Workman earned a bachelor of science degree, magna cum laude, in biological sciences at Northern Illinois University in 1979 and a doctoral degree in cell and molecular biology at the University of Michigan in 1985. He worked in several

research positions from 1985 to 1991, when he joined Penn State as an assistant professor of biochemistry and molecular biology, becoming associate professor in 1997.

Workman has earned many other awards and honors, and in 1997 was appointed an associate investigator of the Howard Hughes Medical Institute. In 1998 he became an editor of the journal *Molecular and Cellular Biology*.



JERRY L. WORKMAN

Several students receive top national honors

Penn State's Undergraduate Fellowships Office has been a busy place this year encouraging top students to compete for national awards and keeping track of their progress. So far, 13 undergraduate have received Fulbright Awards, 13 received National Science Foundation Fellowships, four have Goldwater Awards, and for the first time in

a long time, one was selected to be a Mellon-Fellow.

"We have a growing number of impressive students competing for and winning national awards," said Mary Gage, Fellowships Office coordinator. "To win, they not only have to be superior academically, they also have to demonstrate leadership in campus or community life and often they have to go through a rigorous interview process."

The office identifies and encourages academically talented students to apply for national scholarships. For more information, call Gage at (814) 863-8199, e-mail hmg1@psu.edu or visit the Web at <http://www.psu.edu/dept/oue/fllwship.htm>.

13 earn Fulbright Awards

Thirteen Penn State students will spend next year studying, conducting research or teaching abroad on grants administered under the 1998-99 Fulbright Program.

Listed below are the awardees and their home towns, majors, fields of study or teaching and the countries where they will study or teach:

- **Timothy T. Creyts** of Shillington; geology; climatic interpretations of Greenland ice cores in Denmark.
- **Albert E. Frantz** of Harmony; music and philosophy; performing arts (piano) in Austria.
- **Felix Friedman** of Elkins Park; a graduated senior in international business and Russian literature, the MBA program at the Judge Institute, Cambridge University, England.
- **Jaclyn N. Fried** of Exton; English and biology; teaching assistant in Korea.
- **Marci E.J. Gleason** of Roanoke, Va.; psychology; teaching

assistant in Korea.

- **Martha E. Gross** of Reston, Va.; civil engineering; research in road and bridge reconstruction in Germany.
- **Vasiliki Karandrikas** of York; German; teaching assistant in Germany.
- **Dena Koklanaris** of Oakmont; English; teaching assistant in Korea.
- **Eric E. Mamajek** of Bethel Park; astronomy; research into young solar-like stars in Australia.
- **John P. Masly** of Saylorsburg; biology; research into species formation in Greece.
- **Jennifer A. Petullo** of Wyoming; geography; teaching assistant in Korea.
- **Lee D. Sledz** of West Chester; teaching assistant in Hungary.
- **Lily M. Wang** of Hixson, Tenn.; acoustics; research into objective measures of spaciousness in Denmark.

NSF awards given to 13

Thirteen students will continue their studies in graduate school as 1998 National Science Foundation Graduate Fellows. They will receive a stipend of \$15,000 a year for three years at graduate schools anywhere in the world. In addition, the students each receive a travel allowance of \$1,000 and the institution where they enroll gets \$9,500 a year.

Students receiving NSF (Fellowships) and their majors are listed by college.

■ **Eberly College of Science:** Kyle Bernheim, chemistry and biochemistry; Daniel Felitsky, molecular and cell biology; Michael Kistler,

a double major in mathematics in the College of Science and meteorology in the College of Earth and Mineral Sciences; Erin Quesada, biology; and Mariah Szpara, biology.

■ **College of Engineering:** Neil Bomberger, engineering science; Robert Campbell, mechanical engineering; Jacob Fisher, engineering science; Amanda Graham, civil engineering; Amy Kaleita, agricultural engineering; Michael Medasaka, mechanical engineering; Michael Platz, chemical engineering; and Yi Tang, a double major in chemical engineering and materials science and engineering in the College of Earth and Mineral Sciences.

Four given Goldwater Scholarships

For the third year in a row, all four Penn State students nominated for 1998-99 Barry M. Goldwater Scholarships received awards.

The 316 Goldwater Scholars nationwide were selected on the basis of academic merit from a field of 1,186 mathematics, science and engineering undergraduate sophomores and juniors who were nominated by their colleges or universities. The one- and two-year scholarships cover the cost of tuition, fees, books and room and board up to a maximum of \$7,500 per year. The winners, who are all members of The Schreyer Honors College, are:

■ **Deborah L. Kubisiak**, a sophomore from Bethel Park major-

ing in biochemistry and molecular biology. Kubisiak plans to pursue a doctoral degree in molecular genetics and immunology.

■ **Benjamin Jantzen**, a junior from Peekskill, N.Y., majoring in biology and physics. Jantzen plans to pursue a doctoral degree in electrodynamics.

■ **Jeffrey J. Duzak**, a sophomore from Pittsburgh majoring in physics and mathematics. Duzak plans to pursue a doctoral degree in theoretical quantum physics.

■ **Wei Duan**, a sophomore from State College majoring in biochemistry and molecular biology and international politics. Duan plans to pursue medical and doctoral degrees in genetics and biochemistry.

Student gains Mellon Fellowship

Brian James Bialkowski, a graduating senior in comparative literature from Scranton, is one of only 39 college seniors nationally to win a 1998 Andrew W. Mellon Fellowship in Humanistic Studies for doctoral study.

The award provides financial support for the first year of doctoral study with a stipend of \$14,000 plus tuition and fees. He is Penn State's first Mellon Fellowship winner in the past decade and one of only

three since the fellowship began 15 years ago.

Bialkowski is a member of The Schreyer Honors College with a 3.81 grade-point average, and a participant in the University's Integrated Undergraduate-Graduate Program, simultaneously completing bachelor's and master's degrees in comparative literature in four years. Bialkowski plans to use his Mellon Fellowship to enroll in the Ph.D. program in comparative literature at the University of Iowa.

Appointments

Penn State Mont Alto welcomes admissions counselor

Katherine Kough was recently named admissions counselor at Penn State Mont Alto. Kough received her bachelor of arts degree from Mount Union College and went on to complete her master of education degree at Penn State. She has served as the coordinator of residence life/student life at Mont Alto campus since 1996.

Kough is a member of the American College Personnel Association, the National Association of Student Personnel Administrators and the College Student Personnel Association.



KATHERINE KOUGH

DuBois makes acting CEO its permanent choice

Claudia A. Limbert, acting chief executive officer (CEO) of Penn State DuBois, will assume the position permanently, effective May 1. She succeeds Joseph C. Strasser, who was named dean of the Commonwealth College.

Limbert has been acting CEO of Penn State DuBois since Nov. 17, 1997. Her responsibilities include oversight of the campus' 100 full-time faculty and staff and \$4.25 million budget. In addition to assuming the role of acting CEO, Limbert had been director of academic affairs at DuBois since July 1996. Limbert was an administrative fellow to Robert E. Dunham, former senior vice president and dean of the Commonwealth Educational System, during the 1995-96 academic year.

Limbert holds the academic rank of associate



CLAUDIA LIMBERT

professor of English and women's studies. She earned her B.A. with majors in English, history and education from Bethel College in North Newton, Kan. She received her master's degree in creative writing and a Ph.D. in English literature from Boston University.

She currently serves on the Business and Industrial Advisory Board to the DuBois Area School District. She has authored numerous articles and presentations on mentoring and the role of women in higher education, in addition to creative works and non-fiction.

Penn State Altoona appoints assistant director of student affairs

Laura Perry, former residence life coordinator at University Park, has joined Penn State Altoona as assistant director of student affairs. Perry spent more than a year at the University Park campus before coming to Altoona. Previously she worked at Keene State College in New Hampshire as a residence director for two years.

She earned a bachelor of science degree in math and religion from Mary Washington College, Fredericksburg, Va., and a master's of education degree from the University of Georgia. Perry has experience advising student groups and providing educational programs for students on a variety of topics.

Penn State Mont Alto names assistant director of food service

Penn State Mont Alto campus welcomes Curtis Wengert as the new assistant director of food service.

Wengert received his bachelor of science degree in food industry from the Delaware Valley College of Science and Agriculture. He has served in several positions, including production supervisor for Kraft General Foods and a mix-room supervisor for Good Humor-Breyers Ice Cream. He is presently acting as the co-chairman of the Hagerstown Plant Safety Committee.



CURTIS WENGERT

Penn Staters

Santa Casciani, assistant professor of Italian, has been selected as an American Council of Learned Societies Fellow for 1998-99. She will use the award to work on her book project, *Cultural Interaction in Medieval and Renaissance Italy: Dante and the Franciscans*.

Anthony Cutler, research professor of art history, has been awarded two research fellowships for the coming academic year. In the fall, Cutler will serve as a fellow at Dumbarton Oaks, Harvard University's Center for Byzantine Studies in Washington, D.C. Additionally, the board of trustees at the National Gallery of Art in Washington, D.C., appointed him a Paul Mellon Senior Fellow at the Center for Advanced Study in the Visual Arts for the spring 1999 and 2000 terms. The Paul Mellon fellowship is granted for full-time research at the center on a project of original scholarship. Cutler is the first Penn State professor appointed as a fellow at the National Gallery of Art.

While at the National Gallery, Cutler's research topic will be "Objects of Desire: Gift Exchange between Byzantium and Islam."

George S. Dulikravich, associate professor of aerospace engineering, co-chaired an international symposium on Inverse Problems in Engineering Mechanics in Nagano, Japan. At this meeting, he presented papers on "Fourier Series Analytical Solution for Aerodynamic Shape Design" and "Finite Element Method for Determination of Boundary Conditions in Elasticity and Heat Conduction." He also delivered invited lectures on "Multidisciplinary Design Optimization of Cooled Turbine Blades" at Hitachi R&D Center and at Ebara R&D Center.

Joseph French, professor emeritus of education, was honored recently with the distinguished alumni award from Illinois State University for his significant contributions to the field of school psychology and national policy affecting education, and for his work in the area of special education.

Robert Frieden, professor of telecommunications, was an invited speaker on "Internet-Mediated Telecommunications: Devising a Legal and Regulatory Model" at Hong Kong's Information Infrastructure Conference, organized by the Hong Kong Trade Development Council.

Donald W. Leslie, associate dean for undergraduate studies and associate professor of landscape architecture, led a delegation of landscape architects on a two-week trip to South Africa under the auspices of the People to People Citizen's Ambassador Program. The delegates met with professionals and concerned citizens in meetings and presentations during their visit.

Ken Martin, director of the Pennsylvania Office for Rural Health, has been appointed to the National Initiative Management Team for the "Healthy People - Healthy Communities" initiative sponsored by the Extension Committee on Policy of USDA's Cooperative State Research, Education and Extension Service (ECOP/CSREES). Natalie Ferry, Union County extension director, has been appointed to the National Initiative Management Team for the ECOP/CSREES initiative "Workforce Preparation."

D. Douglas Miller, professor of music, has been named president-elect of the Eastern Division of the American Choral Directors Association (ACDA). ACDA is the major national organization of choral conductors, including professionals who conduct in colleges and universities, public schools, communities and churches. Of ACDA's 20,000 national members, about 3,300 work within the Eastern Division, which includes 11 states in the northeastern United States.

New at Penn State

Penn College aviation technology program has added certification

With a keen eye on the horizon, Pennsylvania College of Technology's aviation technology programming has now added certification by Transport Canada to its educational roster. Transport Canada is the Canadian equivalent to the Federal Aviation Administration. Penn College's curriculum already is approved by the FAA.

Transport Canada certified Penn College as an approved training organization after the college submitted an extensive training control manual

and added an additional course — "Canadian Air Regulations" — to its aviation curriculum.

Penn College is one of three public schools in the U.S. to gain this approval, according to Colin W. Williamson, dean of the college's School of Transportation Technology.

Williamson says the addition of Transport Canada training will increase the college's marketability in Canada and give Penn College aviation graduates more employment options.

Partings

Assistant athletic director retires

Rich Lucas, a former All-America quarterback who finished as runner-up for the 1959 Heisman Trophy, retired March 31 after more than 30 years as a member of the Penn State athletic department staff.

Lucas has been an assistant athletic director since 1977. In that position, he had administrative responsibility for 13 men's sports. Lucas first joined the department in 1965 as assistant business manager of athletics. He became business manager in 1972.

A first-team All-America quarterback as a senior in 1959, the Glassport, Pa., native finished No. 2 to Billy Cannon of Louisiana State in balloting for the Heisman Trophy. He guided the Nittany Lions to a 9-2 record in 1959 and a 7-0 victory over the Bear Bryant-coached Alabama Crimson Tide in the first Liberty Bowl game. Lucas won the 1959 Maxwell Trophy presented by the Maxwell Club of Philadelphia to the nation's outstanding college football player.

An all-around athlete, Lucas' daring play earned him the nickname "Riverboat Richie." He passed for 1,822 yards, rushed for 609 yards and excelled as a defensive safety over a three-year varsity career during which the football team won 28 of 37 games. He still ranks among the Lions' passing leaders in yards per attempt/season (ninth) and yards per attempt/career (10th).

The original No. 1 draft choice of the American Football League Buffalo Bills, Lucas also was drafted by the NFL Washington Redskins. He spent three years with the Bills and played briefly with the Denver Broncos before returning to Penn State in 1963 to join the staff of the Department of Continuing Education.

Lucas was inducted into the National Football Foundation and College Hall of Fame in 1986, one of only 17 former Penn State players and coaches to be so honored. He also was inducted into the Pennsylvania Sports Hall of Fame in 1975.

Professor retires with emeritus rank

The following individual has earned emeritus rank from the University for his longstanding and productive years of service:

John W. Kreider, professor of pathology in College of Medicine, from June 10, 1968, to April 2.

Several announce their retirements

The following employees have retired from University service:

Thomas A. Knarr, painter A in Office of Physical Plant, from March 15, 1982, to April 1.

Florence L. Reese, staff assistant V in College of Agricultural Sciences, from Oct. 26, 1981, to April 1.

Kathryn F. Seefchick, staff assistant V in College of Health and Human Development, from Sept. 8, 1977, to April 1.

Ronald I. Shaw, residence hall utility worker in Housing and Food Services, from Jan. 12, 1982, to March 28.

David E. Spotts, carpenter A in Office of Physical Plant, from March 12, 1979, to March 28.

Gloria A. Welch, residence hall worker in Housing and Food Services, from Sept. 2, 1976, to March 28.

Martha A. Zimmerman, staff assistant VI in Continuing and Distance Education, from Jan. 3, 1983, to April 1.

Professor gains emeritus rank

Robert E. Newnham, Alcoa professor of solid state science and associate director of the Materials Research Laboratory, has retired with emeritus status. He has been a member of the faculty since 1966, when he came to Penn State from MIT as an associate professor. He was appointed as professor in the Department of Materials Science and Engineering in 1970, and served as chairman of the Solid State Science Program of the Graduate School from 1972 to 1990. He was named Alcoa professor in 1987, and elected to the National Academy of Engineering in 1989.

Newnham is known worldwide for his work in ferroelectric materials and has made several discoveries in the field. He is author or co-author of more than 500 research papers and three books: *Structure-Property Relations* published in 1975; *Classic Crystals* published in 1987; and *Piezoelectricity* published in 1992. For his research contributions he has received numerous awards, including the Distinguished Merit Award of the University of Illinois in 1989, the Real Advances in Materials Award of the National Association of Technical Societies in 1994, and numerous "best paper" awards. He holds 13 patents. Newnham has been recognized for his teaching contributions with the Wilson Award for Outstanding Teaching from the College of Earth and Mineral Sciences in 1972 and a 1990 Outstanding Educator Award of the Ceramic Education Council.

In addition, Newnham has served as a distinguished speaker at several universities. He was



ROBERT E. NEWNHAM

named an honorary professor of Huazhong University of Science and Technology in China in 1988, and was awarded an honorary doctorate of science by Hartwick College, N.Y., in 1996. He served as vice chair of the U.S. National Committee for Crystallography and as a member of the National Research Council Solid State Sciences Committee; as president of the American Crystallographic Association; and counselor of the American Ceramic Society. In addition, he served as co-editor of the *Journal of the American Ceramic Society* for 10 years. Among his hon-

ors are Penn State's Faculty Scholar Award (1984), the John Peppas Medal (1991), the International Ceramics Prize of the Academy of Ceramics (1992), the Centennial Award of the Ceramic Society of Japan (1991), and the Albert Victor Bleining Memorial Award (1995). He received the Humboldt Senior Scientist Award in 1994 and was named an honorary member of the Materials Research Society of India and distinguished life member of the American Ceramic Society.

Newnham received a B.S. in mathematics from Hartwick College, M.S. in physics from Colorado State University, Ph.D. in physics from Penn State, and Ph.D. in crystallography from Cambridge University (U.K.). He served as a research fellow at the Cavendish Laboratories, Cambridge, and subsequently as assistant and associate professor at the Massachusetts Institute of Technology.

Retirement he continues his research in the materials laboratory.

Professor emeritus served since 1964

David P. Gold, professor of geology, has retired from the University with emeritus status. He has been at Penn State since 1964 and served as chair of the geology graduate program from 1977 to 1982.

Gold received his B.S. in geology-chemistry and M.S. in geology from the University of Natal, South Africa, and his Ph.D. in geology from McGill University, Canada. From 1962 to 1964 he lectured at Loyola College of the University of Montreal before joining Penn State's program in geochemistry and mineralogy as a research associate. He was named associate professor of geology and geophysics in 1968 and professor of geology in 1975.

He is an elected Fellow of both the Geological Society of America and the Geological Association of Canada, and received the Barlow Memorial Medal of the Canadian Institute for Mining and Metallurgy, and the Geological Association of Canada in 1968, and the President's Medal of the 24th International Geological Congress in 1972.

Primarily an economic geologist, Gold is especially known for his contributions to shock metamorphism and impact craters. He served as a dis-



DAVID P. GOLD

tinguished lecturer for the American Geological Institute, as president of the Yellowstone-Bighorn Research Association, and as leader of field conferences and geological field trips in Montana, Quebec and Pennsylvania.

Gold taught 15 different courses at Penn State over his 30-year teaching career. His outstanding undergraduate teaching was recognized by the college with the Matthew J. and Anne C. Wilson Award in 1970.

From 1966 to 1977 he served as director of Penn State's Geoscience Field School, an eight-week study period in the Rocky Mountains. In his department, he has served as a significant alumni point of contact for two decades. He has been a strong supporter of the Steidle Museum and the Nittany Mineralogical Society.

Gold served as a member of the University Faculty Senate from 1983 to 1998, chairing a number of committees and serving as a member of many Senate initiatives, including Faculty Advisory Committee 1993-96 and Senate Representative on the Graduate Faculty Council 1993-98. He was appointed a member of the University's Commission for Undergraduate Education in 1992.



Class project

Will Prothro, above left, Jessica Shive and Martin McGann, assistant professor of landscape construction, make sure the patio for Otto's eatery will be level. The new patio outside Kern Building on the University Park campus will be built by the Hort 464 landscape construction course taught by McGann and Dan Stearns, associate professor of landscape construction. At left, Hort 464 student Jessica Young operates a vibrating compactor to make sure the ground is level and compacted for the bricks that will be installed for the patio.



Photos: Greg Greco

Promotions

Staff

Rebecca S. Ampacher, staff assistant VI at Penn State Harrisburg.
Sally A. Arnold, staff assistant VII in College of the Liberal Arts.
Helen L. Bish, staff assistant IX in Applied Research Laboratory.
Pamela R. Knowlton, staff assistant VI at The Dickinson School of Law.
Jean H. Kummer, assistant extension agent in College of Agricultural Sciences.
Lesley Maalouf, assistant budget analyst in Continuing and Distance Education.
Kirsten E. MacNeal, project associate in College of Agricultural Sciences.
Jo Ann Marker, manager, food services in Housing and Food Services.
Anna M. Marx, staff assistant V at Penn State Abington.
Deborah A. Mayes, staff assistant VI in College of Engineering.
Bonnie C. McDonald, staff assistant V in College of Agricultural Sciences.
Eleanor E. Meyer, staff assistant V in Intercollegiate Athletics.
Cynthia M. Morris, staff assistant VII at Penn State Capital College.
Dennis L. Morrison, manager, program office in Computer and Information Systems-Administrative Systems.
Jeffrey J. Nucciarone, senior research programmer in Computer and Information Systems-Center for Academic Computing.
Connie J. Peters, staff assistant VIII in Applied Research Laboratory.
Rosalee A. Prizzi, staff assistant VIII at Penn State Worthington Scranton.
Sandra M. Rogus, administrative assistant III in Intercollegiate Athletics.
Kathleen J. Romig, library assistant II at Penn State Berks.
Donald E. Smith, project assistant in College of Agricultural Sciences.
Susan W. Smith, senior systems analyst in Computer and Information Systems-Telecommunications.
Eileen J. Soranno, staff assistant VI at Penn State Worthington Scranton.

Anita H. Sprankle, administrative assistant II in College of Engineering.
Malgorzata M. Sudol, senior technician-research, College of Medicine.
Lucy C. Szklinski, manager, business services in Applied Research Laboratory.
David W. Thompson, senior applications programmer/analyst in Office of the Vice Provost and Dean for Enrollment Management, Office of the University Registrar.
Judy A. Tice, technical/administrative specialist in Computer and Information Systems-Telecommunications.
Kimberly D. Wagner, computer support assistant in Applied Research Laboratory.
Ronda L. Williams, admissions counselor I in The Smeal College of Business Administration.
Sue E. Witherite, staff assistant V at The Nittany Lion Inn.

Technical Service

Raymond C. Beam, environmental systems technician in Office of Physical Plant.
Jeffrey E. Clouser, maintenance worker-utility in Office of Physical Plant.
Glenn E. Decker, boiler operator/facilities mechanic in College of Earth and Mineral Sciences.
Gary E. Fleeson, area facilities maintenance worker at Penn State Beaver.
Creigh L. Frazier, environmental systems technician in Office of Physical Plant.
Howard R. Glunt, boiler operator/mechanic in College of Earth and Mineral Sciences.
Lanny King, experimental propeller fabricator-A in Applied Research Laboratory.
Gordon L. Lonsinger, maintenance worker-utility at Penn State Altoona.
Bradley A. Mabon, boiler operator/mechanic in College of Earth and Mineral Sciences.
Duane S. Seiner, catering worker, Housing and Food Services at Penn State Altoona.
Bing G. Smith, maintenance worker-utility in Office of Physical Plant.

PennDOT

continued from page 1

ity of our road and transit systems," said John M. Mason, professor of civil engineering and associate dean for research in the College of Engineering. Mason will oversee the contract with James H. Miller, associate professor of business logistics in The Smeal College of Business Administration.

Mason, also an affiliate of the Pennsylvania Transportation Institute, said Penn State will be developing ways to access the best ideas and the top people in the field, to offer training on best practices for road maintenance and improving highway safety. PTI will look at areas such as surface transportation, sustaining a cost-effective infrastructure, and the analysis of new construction material.

Currently, teams are being formed with members from Bucknell, Drexel, Cheyney, Lafayette, Lehigh,

University of Pittsburgh, University of Pennsylvania, Villanova and West Virginia University, as well as Penn State, to investigate applications of advanced technologies to commercial vehicle transportation, guide rail testing, development of advanced training for PennDOT professionals and other projects.

The Pennsylvania Transportation Institute, led by Bohdan Kulakowski, is celebrating its 30th year of operation in 1998. It has provided broad-based idea development, research, and formal and informal education, including selective and focused in-house training, for PennDOT throughout those 30 years. Over the past five years, through a series of contracts with PennDOT, the institute has worked to strengthen and build the transportation agency's

partnerships with colleges and universities throughout the nation. PTI's response last year to PennDOT's request for proposals for this university-based program led to the current contract.

PTI's affiliated programs and centers include the Bus Testing and Research Center, the Center for Intelligent Transportation Systems, the Crash Safety Research Center, the Pennsylvania Local Roads Program-LTAP, the Northeast Center of Excellence for Pavement Technology and the Mid-Atlantic Universities Transportation Center — a five-university consortium and one of 14 centers in the nationwide University Transportation Centers Program (UTC). Since 1990, the Mid-Atlantic Universities Transportation Center, currently under the direction of Miller, has served as the national clearinghouse for the UTC.

Firms lag in ethics code adoption

By GARY W. CRAMER

Development Communications

A survey of trends in corporate ethics management suggests that the majority of Fortune 1000 firms have committed mainly to the low-cost, possibly symbolic, side of the effort.

Researchers from The Smeal College of Business Administration and the University of Delaware say that while most of the 254 firms that responded to the survey have adopted ethics codes and policies, they differ substantially in their efforts to see that those policies or codes are actually put into practice.

For instance, while 98 percent of the firms claimed to address ethics and conduct issues in a formal document, only 45 percent required an annual acknowledgment of receipt, and 51 percent an annual acknowledgment of compliance, by employees.

"Our study is distinguished in part by the degree of specificity with which different aspects of corporate ethics activity are delineated and measured," said Linda Klebe Treviño, professor of organizational behavior.

"We looked at such topics as who has formal responsibility for ethics management, how their offices are structured, how they evaluate their effectiveness and how active their CEOs are in delivering ethics-related messages. The results provide, in effect, a snapshot of the 'state of the art' in formalized corporate ethics functions."

Co-authors with Treviño on the study were Philip L. Cochran, associate professor of business administration and director of the Center for Study of Business and Public Issues, and Gary R. Weaver, assistant professor of management with the University of Delaware's College of Business and Economics.

The population studied consists of the Fortune 500 industrial and 500 service corporations, as listed in 1994. The responses were collected from the officers most responsible for deal-



Philip L. Cochran, associate professor of business administration, and Linda Klebe Treviño, professor of organizational behavior, have found great differences in firms' efforts to enforce ethics codes.

Photo: Greg Grieco

ing with ethics and conduct issues in the firms.

"One surprise we had regarding these officers was that while 137 of the firms reported having a single officer responsible for ethics, more than half of them actually spend not more than 10 percent of their time in ethics-related activities," said Weaver. "Unfortunately, only a meager 19 of these 137 firms reported that from 91 to 100 percent of the officer's time was spent on ethics-related functions."

Furthermore, just 30 percent of the firms reported having specific departments or offices created to deal with ethics and conduct issues, and of those, 63 percent were created in the 1990s.

As for CEOs' direct involvement in ethics management, 46 percent were said to discuss ethics-related issues with the ethics officers once or twice a year, but 32 percent attended no meetings with ethics

as a primary focus. Forty-six percent sent out company-wide communications about business ethics and conduct annually, but 62 percent provided no live or taped messages about ethics to employees.

"Although an annual formal message from the CEO may seem, at first glance, to constitute a respectable level of CEO commitment, we tend to disagree," said Treviño. "Employees in firms as large as those in the Fortune 1000 receive a staggering number of different work-related messages throughout the year. Considering this, and given that pro forma communications may be taken considerably less seriously than other forms of communication, our results suggest that from the standpoint of most employees, many CEOs convey minimal official commitment to corporate ethics programs."

The researchers point out, however, that their

data indicate many exceptions to the low-level commitment scenario. They also note that in cases where CEO attitudes toward ethics program activities are unclear in the eyes of employees, employees of necessity will form their opinions of a CEO's ethics commitment largely from information provided by their immediate supervisors and company "grapevines."

"Whether or not these sources accurately portray the CEO's stance on ethics, and provide support for any formal ethics program, is an open question," Weaver said. "And without wishing to denigrate the work that is done in the context of formal ethics programs, one must still admit that on their present scale in many firms, ethics programs and policies risk being swamped by other, often more persistent influences on organization members."

These other influences may be part of the formal organization, such as compensation policies, or reflect the informal side of the organization, such as supervisor role-modeling or elements of organizational cultures and subcultures.

"At least in their current form, we should assume that corporate ethics programs are not self-sufficient; they depend heavily for their success on support from other organizational systems and informal norms and practices," Cochran said.

"In the long run, the implementation of ethics policies by persons not directly involved in ethics program activities will be crucial for encouraging good corporate behavior."

For example, the researchers note that what department heads say during performance appraisals can be as important as any ethics officer's comments during a training session. They add that judging by the responses they received, there is a limited amount of organizational attention and resources that can be focused on formal ethics program activities and structures.

Tools assist pediatric cardiologists

Pediatric cardiologists have a new technique to fight a rare condition in infants, neonatal critical pulmonary valve stenosis. The condition results in severe blockage of the pulmonary valve and is usually not discovered until soon after birth. Blood that should flow to the lungs is severely blocked, causing the baby to turn blue. The cardiologist must then decide between open heart surgery or attempting to open the valve in the cardiac catheterization lab.

Balloon valvuloplasty is the technique that is most often used so that open-heart surgery can be avoided along with its many risks and complications. Now a new device, a "snare catheter" is helping physicians to simplify this operation.

"This procedure offers an effective non-surgical alternative, and we have been very successful with it over the past several years," said Dr. Howard Weber, associate professor of pediatrics in the College of Medicine.

The technique to open the blocked valve begins with inserting a catheter into the umbilical artery. Weber said that in the past, multiple balloons were used to gradually open the valve. He said that if after successfully crossing the pulmonary valve with a floppy guidewire the diagnostic catheter cannot be advanced across the blocked valve, then "snare assistance" is used to create a fixed guide-rail system that cannot bend in the right heart structures. A snare device is then inserted in the previously placed umbilical artery catheter, and the wire is grabbed. The balloon catheter is then easily advanced across the valve and inflated using the "snare assistance."

By avoiding open-heart surgery, the procedure is safer and less costly. Since it is also quicker, it exposes the baby to about 50 percent less radiation, Weber said. He said recovery is much faster, with patients going home in just a few days.

"Going in through the umbilical artery also is safer than going in through the artery in the leg, which may be injured," said Weber.

He has done the snare procedure on 16 infants. Because this is such a rare condition, he expects to use the procedure only a few times each year.

Shuttle launch successful

James A. Pawelczyk, assistant professor of kinesiology and physiology, became the first Penn State faculty member to fly aboard the space shuttle when Columbia was successfully launched on schedule at 2:19 p.m. April 17 at Kennedy Space Center in Florida. The launch, originally scheduled for April 16, had been postponed 24 hours due to difficulties with one of two network signal processors on the orbiter. The Neurolab mission, also known as STS-90, is the 25th flight of Columbia and the 90th mission flown since the start of the space shuttle program in April 1981.

President Graham B. Spanier was among several University faculty members and other officials on hand at the launch site to watch the shuttle carry Pawelczyk and the other six crew members into the bright blue sky.

At University Park, a large crowd — and the Nittany Lion — gathered in the lobby of Kern Graduate Building to watch the launch on television. One interested viewer was Steve Young, a senior kinesiology major, who was in Kern Building early to get a good seat for the launch.

"It must be a great feeling to go into space," Young said.

State College resident and Penn State alumna Julie Lemmon also joined the crowd in Kern Building for the launch.

"This is such a historic day," Lemmon said. "We have a Penn State professor — and an alumnus — in space. That's really exciting."

The crowd joined in for the final 10 seconds of the countdown, and then erupted in a loud cheer as the shuttle lifted off the launch pad. Shuttle commander for the mission is Rick Scobee. The pilot is Scott Altman. Mission specialists are Kay Hirt, Rick Linnehan and Dave Williams, and the other payload specialist is Jay Buckley. Joining the human passengers on Columbia are a variety of animals, including 18 pregnant mice, 1,514 crickets, 135 snails, 152 rats and 233 fish.

The flight is scheduled to last 16 days with a target landing time of 12:09 p.m. May 3 at Kennedy Space Center.



Photo: Courtesy of NASA Web site



Photo: Bill Mahon

Space Shuttle Columbia (above, left) went up without a hitch on April 17, taking with it Penn State faculty member James A. Pawelczyk. There to watch the launch from the Kennedy Space Center in Florida was University President Graham B. Spanier (above), who said Pawelczyk's journey is "another important step in the process of learning that goes on at Penn State everyday."

At left, the Nittany Lion mascot leads a cheering crowd of television watchers at Kern Graduate Building on the University Park campus, who had gathered to view the shuttle launch. At right, this NASA photo taken aboard the shuttle Sunday shows Pawelczyk monitoring astronaut David R. Williams as he completes a test. Below, before the launch, Pawelczyk tosses mission hats to his two children, Bradley and Kaitlyn, who must stay behind the yellow line. The astronauts are under strict health stabilization guidelines to protect them from close contact with people who do not have health stabilization clearance.

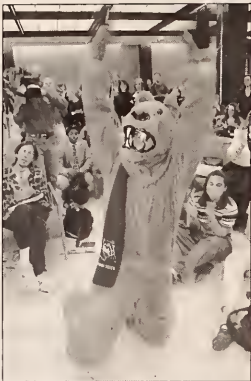


Photo: Greg Grieco

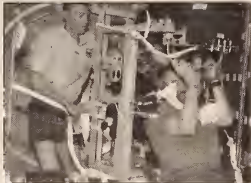


Photo: Courtesy of NASA Web site



Photo: Courtesy of NASA Web site

For the Record

Due to a source error, a story that appeared on page 3 of the April 16 issue of *Intercom* incorrectly listed upcoming commencement ceremonies at University Park. Ceremonies for The Smeal College of Business Administration and the College of Earth and Mineral Sciences will be held at 7 p.m. Saturday, May 16. Smeal's ceremony is in The Bryce Jordan Center, while the EMS ceremony will be held in Eisenhower Auditorium.

Carpooler

Carpooler needed from the Belleville/Lewisburg/Reedsville area. Work hours are Monday through Friday, 8 a.m.-4:30 p.m. Please call Rosella at (814) 865-1791 or (717) 935-2920.

PENNSTATE INTERCOM

Department of Public Information
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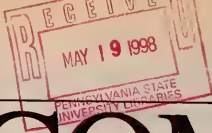
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Volume 27, Number 30



Down to Earth

On the 13th day of his 17-day mission aboard the Space Shuttle Columbia, James A. Pawelczyk, assistant professor of kinesiology and physiology, was all smiles as he prepared to measure nerve signals of a crew mate. Pawelczyk, a payload specialist on the flight and the first Penn State faculty member in space, returned safely to his home planet on May 3 after completing 256 orbits of the Earth. For more on this story, turn to page 15.

Photo: Courtesy of NASA

Faculty Senate hears tenure debate

By ALAN JANESCH
Public Information

The University Faculty Senate last week heard lengthy debate on a proposal to expand existing Senate-mandated annual performance reviews of tenured faculty by adding a formal review that would take place every five years.

The intent of the proposal, brought to the floor at the Senate's final meeting of the semester on April 28, is to create an "extended review" that puts a faculty member's achievements in a larger con-

text by looking at a five-year period of achievement and by asking the faculty member to outline future plans. It is not a system for "re-tenuring" or "de-tenuring" already tenured faculty members, according to information on the Senate's Web site at <http://www.psu.edu/ur/hr40html.html>.

Tenure, according to a document from the American Association of University Professors, is granted to colleges and university faculty members to protect their right to do research and speak freely on issues without fear of retaliation, and to

attract faculty members who might otherwise take higher-paying jobs in industry or business.

Under the proposal, the extended review:

- would be done by a group of faculty peers, rather than by a department or campus administrator;

- would invite faculty members to present any materials or evidence of achievement, contributions or projections for the future they believe relevant for the review, rather than

See "Tenure" on page 3

Governor signs 3.25-percent increase for Penn State

By LISA M. ROSELLINI
Public Information

On April 29, Gov. Tom Ridge signed Penn State's 1998-99 appropriation, giving the University an increase of 3.25 percent over last year's state funding.

The \$299.1 million appropriated by the governor this year for Penn State is his most generous to date, although it falls short of what the University requested. Penn State actually requested \$314 million from the state to cover basic operating costs and their increases, and to provide additional money to improve the quality of educational programming.

"This is a good budget for Penn State, although it's not as much as we'd hoped for," President Graham B. Spanier said. "We now need to work to take advantage of the opportunities this budget provides."

Spanier said the University plans to fund its priority areas, such as hiring new faculty, upgrading the information technology infrastructure, and increasing funding for the Libraries, critical academic program priorities and a new general education curriculum. The money also will go toward modest salary increases and building maintenance and renovation. In addition, there are several carefully targeted areas that Penn State plans to invest in such as the study of children, youth and families, the

See "Budget" on page 3

President's annual tour kicks off again

At 3 p.m. Sunday, President Graham B. Spanier will be on the road again when two busloads carrying about 80 passengers pull away from the curb at University Park as part of the president's annual Road Scholars Tour of the state.

The Road Scholars Tour, started by Spanier in 1995, takes new faculty members to various parts of the state to experience first-hand Penn State's wide-ranging impact and influence on the Commonwealth. The tour also provides participants with an opportunity to meet faculty outside their disciplines. Each year participants visit different regions of the state, stopping at University campuses, centers, research facilities and local busi-

See "Road Scholars" on page 2

Spanier to go on technology trade mission to Israel, Ireland

Penn State President Graham B. Spanier will accompany Gov. Tom Ridge on a one-week trade mission to Israel and Ireland beginning May 22. The mission will also include other Pennsylvania leaders in business and higher education.

Acting on recommendations to boost Pennsylvania's standing as a high-technology state, the governor sees the mission as a way to bolster Pennsylvania's global competitiveness in the technology arena.

Gov. Ridge said that Israel has the most Internet startups anywhere in the world, outside the Silicon Valley. In addition, Ireland has the fastest growing software market in Europe.

"This trade mission will bring some of Pennsylvania's hottest companies to some of the world's hottest technology centers," the governor said.

"For Penn State, participating in this trade mission is an extraordinary opportunity to find new ways to collaborate on an international scale and discover approaches that will help Pennsylvania be more competitive," Spanier said. "It is also an opportunity to witness first-hand the impact technology has on these nations."

Known as Technology 21, the comprehensive, industry-led group that recommended the trade mission has devised a strategy to ensure Pennsylvania takes its place as a technology leader. In 1997, Pennsylvania was ranked fourth in the nation for high-tech export growth by *Export Today* magazine, and now is one of the nation's emerging high-tech hot spots, according to the governor. Also in 1997, *Business Facilities* magazine ranked Pennsylvania among the top 15 states for high-tech growth.

According to the Technology 21 report, issued several months ago, Israel targeted scientific inquiry and technological advancement as part of its quest to develop as a modern state. Home to almost 2,000 high-tech companies, Israel has developed into an export-oriented, technology-based powerhouse, according to the report. Ireland also has been pinpointed as an emerging technology leader in Europe. The Republic of Ireland is ranked first in Europe for information technology and the nation has developed a strong electronics industry. Export of electronics and software in Ireland now account for 40 percent of that country's total exports. More than 4 percent of all PC-packaged software and 60 percent of all PC business-application software sold in Europe are produced in Ireland.

Last year, Pennsylvania's exports to Ireland were

"Participating in this trade mission is an extraordinary opportunity to find new ways to collaborate on an international scale and discover approaches that will help Pennsylvania be more competitive."

— Graham B. Spanier
University President

valued at more than \$112 million, and the state's exports to Israel were worth nearly \$111 million.

"Our goal is to showcase our workers, our great universities and our technologies in these fast-growing markets," Ridge said. "We want to create financial and educational partnerships in Ireland and Israel that will lead to jobs and important new discoveries."

Accompanying Spanier and the governor on the trip will be executives from Westinghouse Electric Corp., MoreCom Inc., Boeing, MCR Systems Inc. and Noble Medical Technologies, to name a few.

On the academic side, the presidents of Carnegie Mellon University and the University of Pennsylvania, the chancellor of the University of Pittsburgh will travel to Israel and Ireland.

"Penn State is one of the nation's most technologically advanced institutions but still we need to vastly expand our offerings to keep up with the explosion in information science and technology," Spanier said. "Being able to tap into the knowledge base already in existence in both Ireland and Israel will be of great benefit to Penn State and Pennsylvania."

Spanier is the chair of the Commission in Information Technologies of the National Association of State Universities and Land Grant Colleges; chair of higher education's Presidential Advisory Board on Information Technology; and a founding board member of the University Consortium for Advanced Internet Development (Internet 2).

duction Center and the Lake Erie Regional Grape Research and Extension Center. The visitors will move on to Port Erie Plastics, a custom molder of plastic products, and then head for Presque Isle State Park, where Penn State Erie faculty and students are involved in rare studies of plant life, aquatic biology and more.

On day three of the trip, the group heads to Allegheny National Forest and a tour of Kane Hardwoods. The buses will drive through powdered-metal country and later tour Windfall Products, a powdered-metal firm in St. Marys. From there, the group will head to Penn State DuBois for a walking tour and dinner and arrive back in State College at around 9 p.m.

There is no cost for participants to take part in the Roads Scholars Tour. Transportation, meals and lodging are provided by the Office of the President.

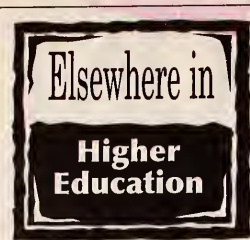
Roads Scholars

continued from page 1

nesses and corporations, along with stops at various points of interest.

During the 1998 tour participants will visit an old growth tree stand in Cook Forest, known as the Forest Cathedral, and hike on the Longfellow Trail. The group will then move on to Titusville for a short stop at Drake Well State Park and Museum, and then on to Penn State Erie, where they will stay overnight in a residence hall.

At Erie, the visitors will have a tour of campus and visit Erie's Plastics Technology Deployment Center and Larson Text Inc. They will also take a tour of General Electric Transportation Systems Co., a leading worldwide supplier of surface transportation systems. After lunch, the group will visit Welch's Pro-



The following information was gleaned from the internal publications of the institutions mentioned.

■ The Board of Trustees at Purdue University increased basic student fees by 4.9 percent on the West Lafayette campus and 4 percent for regional campuses. Starting with the fall semester, Purdue West Lafayette students from Indiana will pay \$3,500 a year. Those from out of state will pay \$11,720. Engineering students also will pay a \$200 differential fee. Within the Big Ten, Purdue remains in eighth place for in-state student fees.

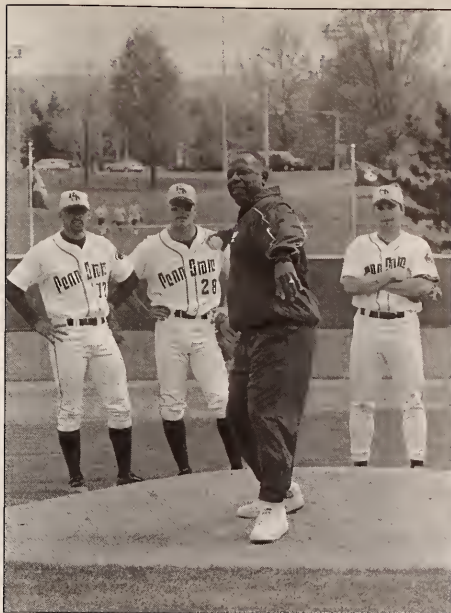
■ In a departure from its usual practice, the board of curators of the University of Missouri approved the issuance of up to \$60 million in bonds that will be distributed on a retail basis by a St. Louis brokerage firm. Before this action, the university's bonds were sold primarily to major financial institutions. Proceeds from the bonds will be used to refinance higher-cost existing debt for capital improvement projects on campus. The bonds are expected to be rated Aa2 by Moody's and Aa+ by Standard and Poor's.

■ Beginning with the fall semester, smoking will be prohibited in all of Harvard's residential houses as well as in the freshman dormitories, which were already covered by the ban. The policy is designed to protect non-smoking residents from the ill effects of tobacco smoke.

■ A 16-member task force at the University of Illinois has recommended several changes to that institution's sexual harassment policy, including a clearer definition of what constitutes sexual harassment. In addition, the group recommends that the Urbana-Champaign campus adopt a policy prohibiting consensual sexual relations between teachers and their students, as well as supervisory employees and those who report to them. Currently, policy strongly advises members of the university community not to engage in such relationships, but does not actually prohibit them.

■ Undergraduate tuition at Vanderbilt University for the 1998-99 academic year has been set at \$21,930, a 4.9 percent increase over the current year.

■ At Purdue, uncertain federal funding and the failure to obtain additional state funding has prompted a hiring freeze in its Cooperative Extension Service and the School of Agriculture. The freeze applies only to future faculty and staff vacancies on campus and in the 92 extension offices around the state.



Above and beyond

While Major League Baseball hall of famer Hank Aaron was on the University Park campus recently as part of the Distinguished Speakers Series, he found his way to Beaver Field to throw out the first pitch before a Penn State-Duquesne ballygame. Penn State won the game 12-9.

Photo: Greg Grieco

Budget

continued from page 1

life sciences, materials science, environmental studies and the possible creation of a school of information science and technology.

To meet these needs, the University will need to draw on the increased appropriation as well as a modest increase in tuition and fees.

Penn State is also eligible to receive about \$1 million in competitive funds from the state Department of Agriculture and the state Department of Health for funding various initiatives in those areas.

The state's total \$17.8 billion spending plan also provides a 3.25-percent increase across the board for all of higher education in the state. In addition, the fiscal blueprint calls for an additional \$2 million to go to community colleges for a workforce development initiative that encourages the formation of partnerships with industry, and a 7-percent, or \$17.5 million, increase for the Grants to Students Program within the Pennsylvania Higher Education Assistance Agency (PHEAA).

"We think it's going to be a pretty good year for us. Unfortunately the Legislature could not be more generous, particularly in a very good year for the Commonwealth," Spanier said referring to Pennsylvania's projected budget surplus, which could reach \$500 million. The 3.25-percent increase in the appropriation Penn State is receiving is based on the governor's recommendation. The Legislature did not add any new funds to the governor's figures.

"We're continuing to be as entrepreneurial as we can," Spanier said. "We plan to stay the course we have been on in terms of evaluating programs and putting our resources toward our priority areas."

Since 1992, Penn State has reallocated more than \$72 million. The vast majority of these funds have been reinvested to strengthen the quality of academic programs. In the 1997-98 University budget, dozens of new faculty positions were established through internal reallocation and additional funding. Twenty-five of the positions were created by shifting faculty with administrative assignments back to the classroom.

Tenure

continued from page 1

being limited to the annual activity reports that the annual administrative reviews are based on; and

— would give faculty members being reviewed an opportunity to respond to the review in writing.

During the hourlong discussion, some Senate members spoke in favor of the extended review. But others spoke against it, arguing that the new proposal would not add any substantial positive benefit that it would force unnecessary restrictions on departments; that are already doing multi-year reviews; and that it would chip away further at the already beleaguered tenure system. The proposal "can be read as the end of tenure," said Jonathan Phillips, a professor of chemical engineering.

But Robert Secor, vice provost for academic affairs and personnel, said that the Senate proposal would "protect the tenure system we have" and would in no way be used to undermine tenure. Post-tenure review policies are being instituted nationwide, Secor said, in the face of attacks on higher education in the political arena and the general public's concerns about accountability within the tenure system.

Over a three-month period, the Senate's Committee on Faculty Affairs has been discussing the extended review proposal, and making adjustments, deletions and additions based on feedback from Senate members, before giving the proposal its support and voting it out of committee.

The proposal was presented to the Senate by the Senate Committee on Faculty Affairs.

Murry Nelson, chair of the committee and professor of education and American studies, said the proposal is a draft that will change in response to further faculty comments. It will be brought up again for a final decision when Senate meetings resume in the fall and then be presented as a recommendation to the University administration.

In another tenure-related issue, the Senate voted to recommend to the University new procedures that strengthen the position of faculty members facing potential termination for adequate cause. The revised policy will protect faculty who may be facing termination proceedings for cause and "does not create a new power to terminate tenured faculty," said Robert D. Richards, Senate faculty affairs committee member and associate professor of communications and law.

The proposal recommends revising current tenure and promotion policy (HR-23) in several ways, including:

— clarifying that a hearing should be held before termination;

— specifying that suspensions of faculty members that are charges of misconduct against them be made only with full pay and benefits and only in the case of potential harm to people and property; and

— putting the burden of proving adequate cause on the University.

In other business, the Senate discussed the possibility of automatic electronic deductions from faculty and staff paychecks for overdue library materials. The Senate's next meeting will be held in the fall, on Sept. 15, at 1:30 p.m. in Room 112 Kern Building on the University Park campus.

Promotions

Staff

Christy S. Allen, staff assistant VI in Continuing and Distance Education.

Michael C. Anderson, project associate in College of Agricultural Sciences.

Cindy L. Berley, staff assistant VII in College of the Liberal Arts.

Jean E. Brooks, administrative assistant II in College of Health and Human Development.

Judith E. Burns, manager, staff services in Office of the Vice President for Research.

Tresa A. Ciprich, administrative assistant I in Division of Development and Alumni Relations.

Kris A. Fletcher, senior research technologist in Eberly College of Science.

Michaelene Franzetta, staff assistant VII in Intercollegiate Athletics.

Joy L. Himmel, coordinator, health and wellness services at Penn State Altoona.

Catherine M. Houser, technical/administrative specialist in Computer and Information Systems-Telecommunications.

Jon M. Johnson, project associate in

College of Agricultural Sciences.

David A. Kolasa, computer lab supervisor in Office of the Vice President for Research.

Brenda A. Ley, research support technologist III in Eberly College of Science.

Douglas W. Linebaugh, banquet manager in Housing and Food Services.

Jeffrey F. Luck, manager, information center in Continuing and Distance Education.

Judi L. McCorkle, assistant director of development in Division of Development and Alumni Relations.

Karen V. Mozley-Bryan, facilities audio visual manager in College of Communications.

Elaine D. Packer, staff assistant VI in College of Engineering.

Robert C. Packer, front office manager at The Nittany Lion Inn.

Andrew J. Resig-Wallace, manager, network and information systems at Penn State Altoona.

Lisa M. Richtschel, facilities coordinator in College of Communications.

Cyndee C. Rudy, program coordinator II in Eberly College of Science.

LECTURES

Spiritual healing is topic of May 14 talk at Hershey

G. Reed Harris, a full-time Christian Science practitioner, will present a lecture titled "Spiritual Healing: Its Breadth and Basis," on Thursday, May 14, at 5:30 p.m. in the hospital auditorium of Penn State Geisinger, The Milton S. Ebersole Medical Center. The event is free to the public. This lecture is part of a dialogue exploring the relationship between healing and religion.

Harris' lecture will present further background on the breadth and basis of spiritual healing as practiced for more than 100 years by Christian Scientists worldwide. The theory behind this form of spiritual healing and its documented evidence of success will be explored. Participants are encouraged to come with questions for a discussion period following the lecture.

Three-lecture series to cover coal use

The eighth annual Peter H. Given Lectureship in Coal Science will be presented by Professor Dwayne J. Swaine of the University of Sydney, Australia. He will visit Penn State's Department of Materials Science and Engineering on the University Park campus for discussions with faculty, staff and students the week of May 18-22.

During his visit, Swaine will present a series of three lectures:

Monday, May 18, at 10 a.m. in the Coal Utilization Laboratory on Bigler Road, Swaine will speak on "Where are the Trace Elements in Coal?"

Wednesday, May 20, at 10 a.m. he will speak on "The Fate of Trace Elements in Coal during Combustion at a Modern Power Station" in Room 26, Hosler Building; and

Friday, May 22, at 10 a.m. Swaine will discuss "Future Aspects of Trace Elements in Coal" in the Coal Utilization Laboratory.

The public is invited to attend. The seminars will be preceded by refreshments.

Swaine is an eminent coal scientist. In addition to his position at the University of Sydney, he is an honorary research fellow of Australia's Commonwealth Scientific and Industrial Research Organization and a senior science adviser at the Energy and Environmental Research Center at the University of North Dakota.

Inspirational lecturer at Fayette to discuss life

LaDonna Gatlin is the keynote speaker for the 17th Annual Women's Day on Campus on Thursday, May 21, at Penn State Fayette.

Gatlin's presentation, "The Do Re Mis of Life," is based on seven principles that will help listeners "fine tune" their lives.

Gatlin, baby sister of country music's famous Gatlin Brothers, literally "grew up on stage" singing with her brothers.

Her presentations create a tapestry of music, humor and life principles. Included is her story of triumph to follow her heart and sing her own song (apart from her famous brothers). She attempts to inspire her audience with the message that everyone has their own song to sing.

Information about the program can be obtained by calling Barbara Solesky at (412) 430-4153 or Harriet Galida at (412) 430-4140.

New violence prevention center aims to improve the well-being of children

Promoting the healthy development of children and reducing the prevalence of high-risk behaviors and poor outcomes for children, youth and families will be the goals for Penn State's newly established Prevention Research Center for the Promotion of Human Development.

The new center, which is part of the College of Health and Human Development, was officially opened by Pennsylvania's First Lady Michele M. Ridge, Penn State President Graham B. Spanier and Barbara Shannon, dean of the College of Health and Human Development, at a ceremony in Old Main on the University Park campus April 28.

"The future of our nation will be deeply influenced by the health and social well-being of our children, youth and families," said Spanier. "This new center is part of the University's renewed commitment to partnering with communities to improve their quality of life."

The center, which will engage faculty and students from many different disciplines in community partnerships to benefit children, will be directed by Mark T. Greenberg, the first holder of the Edna Peterson Bennett Endowed Chair in Prevention Research and professor of human development and family studies. Greenberg is one of the nation's leading specialists in the prevention of childhood aggression and delinquency and the promotion of emotional and social competence in children.

"The new Prevention Research Center will build on strengths within the College of Health and Human Development in addressing issues like violence, delinquency, substance abuse, teen pregnancy and malnutrition, and in promoting human well-being," said Shannon. "Dr. Greenberg and the new center bring the important perspective of prevention science to our college, calling on educators and social institutions to work together to eliminate problems before they can develop, not after it's too late."

Greenberg and his colleagues will conduct research on risk and protective factors and how they lead to well-being or maladaptation; they also hope to stimulate interdisciplinary research and collaborative projects with Pennsylvania communities to develop effective ways to decrease risk factors in children, families and their communities.

The center already has begun work with the governor's Community Partnership for Safe Children (Children's Partnership), chaired by Michele Ridge; the Pennsylvania Commission on Crime and Delinquency (PCCD); and other state agencies. At the opening, Mrs. Ridge applauded the center for its receipt of a \$353,000 grant from PCCD. The grant is for a three-year project to evaluate the commission's innovative "Communities That Care" initiative—a community-based program to promote healthy outcomes in youth. The program currently operates in 47 sites across 34 counties.

"Troubled, delinquent and violent children most often come from troubled families and communities. By their very nature, government systems can do little to prevent these behaviors from developing; however, individuals and communities have the ability to nurture and protect our children," said Michele Ridge. "The Children's Partnership seeks to curb youth violence by reducing child abuse, academic failure, drug and alcohol abuse, illiteracy and other factors that make children more likely to commit crime. Penn State's Prevention Research Center is working to address these very factors, so collaboration between the two organizations is a natural one."

Social problems affecting children have reached an epidemic proportion that requires communities to work together "to help families, schools, and communities become the healthy social-emotional learning environments that we all yearn for," said Greenberg. "We can't incarcerate our way out of the problem. We must devise new strategies to solve these problems." In addition to conducting research and providing assistance to communities, the center will have a role to play in recommending public policy affecting children and families, Greenberg said.

The new center is located in South Henderson Building on the University Park campus. For more information, contact the Prevention Research Center for the Promotion of Human Development at (814) 865-2618. For more information about the governor's Community Partnership for Safe Children, check the Web at <http://www.cp.state.pa.us/> or call (800) 692-7292.



Official unveiling

President Graham B. Spanier and Pennsylvania First Lady Michele Ridge reveal a commemorative poster marking the official opening of the College of Health and Human Development's new Prevention Research Center.

Photo: Greg Grieco

Penn State research on view in Washington, D.C.

By ALAN JAMESCH
Public Information

WASHINGTON, D.C. — Exhibits on cutting-edge Department of Defense-funded research projects at Penn State and more than 30 other colleges and universities were on display last week (April 30) at the Cannon House Office Building in Washington, D.C.

The projects' applications were wide-ranging but all of them sent the same message: University research not only meets the needs of the Department of Defense, it also can be transferred to the private sector and aid in the creation or retention of jobs, giving a boost to the economy.

Rodney Erickson, Penn State's vice president for research and dean of the Graduate School, said that several Penn State projects that perfectly fulfill defense-related needs "have already demonstrated commercial applications, and many of them show high potential for the 'dual use' of technology that easily transfers into commercial markets."

Also on hand from Penn State, in addition to Erickson, were the following researchers and their projects:

— J. Thomas Schriempf, senior scientist, Applied Research Laboratory. ARL is transferring electronic

beam-physical vapor deposition (EB-PVD) technology used on military jets in the former Soviet Union to U.S. industry through a collaborative research effort funded by the U.S. Navy. The process is used to apply extremely thin metallic and ceramic coatings to components such as rotorcraft landing gear, aircraft engines and turbine blades. It is also being used by the turbine and aerospace, automotive, optical, microelectronic and biomedical industries.

— Nitin Samarth, director of the Center for Materials Physics, Eberly College of Science. The college is working on 26 projects funded by the Army Research Office, the Office of Naval Research and the Air Force Office of Scientific Research, including magnetic nanostructures. These are used for next-generation electronic memory storage by patterning layered magnetic semiconductor structures.

— Irene Petrick, director of industry relations, College of Engineering. The college is doing research into tungsten-based composites, which can be used for armaments in defense-related applications and commercially for industrial products such as heat sinks and heat spreaders in computers as well as disk drive components.

— James Tressler of the Naval Research Laboratory, representing the Materials Research Labo-

ratory, College of Earth and Mineral Sciences. The Materials Research Laboratory's projects include sensor research on hydrophones (underwater microphones), which are used for defense applications such as mine detection and for commercial uses such as fish finding and "aquaculture," ocean floor mapping, geophysical research and biomedical ultrasound. A hydrophone developed by Penn State is patented and licensed by the University and generated more than \$100,000 in royalties in 1997.

Among the members of Congress attending the exhibit were U.S. representatives John Peterson, R-5th District (State College) and Jon D. Fox, R-13th District (Montgomery County), and U.S. Sen. Strom Thurmond (R), chairman of the Senate Armed Services Committee.

"I can't imagine any other group that's doing more for this country (than its colleges and universities)," Thurmond said. "What you are doing is pushing this country into the future."

William E. Kirwan, University of Maryland president who will assume the presidency of The Ohio State University on June 30, said that defense-related university research "is keeping our nation on the cutting edge of technology."

Parking rates to change

Rising costs and an increasing demand for parking and transit services mean increases in student, faculty and staff parking rates at the University Park campus for the 1998-1999 academic year.

The new faculty and staff parking rates go into effect July 1, or July 12 for staff paid bi-weekly, and at the beginning of the fall semester in August for students. All campus parking services are covered by revenue generated by the Parking Office.

About 70 percent of the parking budget comes from permit fees and 12.5 percent comes from faculty, staff and visitor parking fines, but money collected from student parking violations is donated to various student activities. Another 10 percent of the parking revenue comes from events, reimbursements for shuttle services and campus permits and 7.5 percent comes from parking meters across campus.

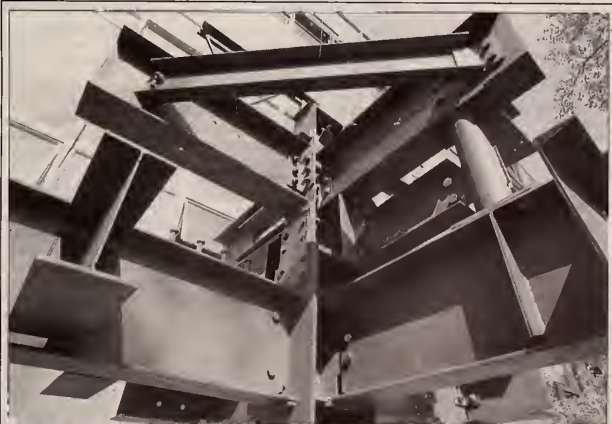
Most — 70 percent — of the parking permit revenue is applied to debt for existing lots and garages, while 12 percent goes toward parking lot and deck maintenance. The remaining funds go toward parking signs and emergency phone service, parking enforcement, staff shuttle and operational costs. Some is put aside for future parking facility construction and renovation.

Permits for the summer sessions are now available. Permits for the 1998-1999 academic year will be available on June 1 in the Parking Office at 1 Eisenhower Parking Deck. All faculty and staff should receive letters on the changes shortly. All current agreements with bargaining units will remain in effect.

All student, faculty and staff who park on campus must display a current parking permit. The parking office hours are 8 a.m. to 7 p.m. Monday through Friday during fall and spring semesters. Summer and intercession hours are 8 a.m. to 5 p.m. Monday through Friday. For more information, contact the Parking Office at (814) 865-1436 or (814) 865-1437.

The 1998-99 faculty and staff parking rates per month are:

Commuter Lot (Lot 44)	\$10
Open staff lots	\$17
Reserved lots and decks	\$26
Blue OO, Blue Retiree, LHF	\$28
Other special permits	\$28
Red OO	\$52



What is it?

No, it's not a new piece of playground climbing equipment ... it's the latest piece of educational sculpture to appear on the University Park campus. This engineering piece demonstrates the numerous ways to attach 1" beams together.

Photo: Greg Grieco

Residence halls available for graduation weekend

Parents and families unable to find hotel or motel accommodations in the State College or Centre County area for commencement weekend, May 15-17 on the University Park campus, can rent a residence hall room on the campus.

The Centre County Visitors Bureau, which monitors room availability for local lodging establishments and provides a referral service for visitors, reports that hotel and motel rooms are, for the most part, unavailable for spring commencement weekend. However, some bed and breakfast accommodations are still available in the area.

Visitors can reserve residence hall rooms by

calling 1-800-778-8006, Monday through Friday, 8 a.m. to 4:30 p.m. Details and payment arrangements will be explained. Residence hall rooms will cost \$33.25 a night for a single; \$24 per person for double occupancy. Linens are furnished. All rooms are non-smoking and air conditioning is not available. Rest rooms are shared facilities on the corridor.

To check on availability for hotel and motel rooms or for bed and breakfast rooms in Centre County, call the Centre County Visitors Bureau toll free at 1-800-358-5466. Families also may find accommodations in nearby communities.

CQI

CONTINUOUS
QUALITY
IMPROVEMENT

A special thanks

The Center for Quality and Planning and the University Council on CQI would like to extend a special thanks for the hard work put forth by the Quality Expo Planning Team to accomplish this year's Expo. Helping to make the event a success were: Joy Dietz, David Dimmick, Linda Klimczyk, Fred Loomis, Roberta Moore, Eric Olbrich, Sue Oram, Stacy Ostrofsky, Bill Ritzman, Barbara Sherlock, Susan Shuman, Cyndi Snyder, Karen Wagner, Ellen Walker and Betzy Wilson.

Visitors

Seven administrators from the University of Alabama visited the University Park campus in late March to learn about Penn State's quality initiatives. These guests met with the University Council on CQI to discuss the quality initiatives in the various units represented on the council.

■ Margaret Spear described lessons learned from CQI in the University Health Services;

■ James Ryan talked about the contribution CQI made to the conceptualization of the Faculty/Staff Survey;

■ Lou Geschwindner pointed out the changes in the general education curriculum that reflect CQI principles;

■ Billie Willis discussed the impact quality has had on the Office of Human Resources in terms of developing a customer-focus, teamwork, improved efficiencies through technology, and increased use of data;

■ Rodney Reed described the quality training provided to school districts by the Center for Total Quality Schools in the College of Education.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LESI@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.

Highlight on Undergraduate Education

Course makes physics come alive

By ALAN JANESCH
Public Information

For many people, the words "college physics class" may evoke an image of an Albert Einstein look-alike in a big auditorium, with a blackboard full of complicated equations behind him and a crowd of uncomprehending students in front of him.

But at Penn State, the reality can be quite different. In "dynamic physics" classes taught in a high-ceilinged, computer- and gizmo-filled space in Osmond Laboratory, undergraduate students working in teams are learning physics through projects like:

■ piloting a fire-extinguisher-powered "rocket wagon" and calculating how much friction is needed to keep it from crashing into the wall;

■ using Web-based computer technology and other software to model the motion of objects ranging from medieval-style catapults to the planets, and to analyze the forces operating on amusement park rides and launching rockets; and

■ working with batteries, wires, electronic elements and light bulbs to create electric circuits and discover the laws of electricity and magnetism (the basics of electronics).

Penn State faculty members teaching the courses haven't completely abandoned the lecture, but in the dynamic physics classes they generally keep them to 10 minutes in length and cover only the basic concepts the students need to do the activities. Through the activities, periodic quizzes that ensure the students are grasping the major concepts, and the faculty members' monitoring and coaching of team activities, the students learn the rest. When the students "get" the concept the activities are supposed to teach — and figure out which equations to use and how to apply them — you can see the light go on.

"Wow," they say. "Cool."

The classes are taught by full-time, experienced faculty members with the help of teaching assistants — both graduate and undergraduate students. For Philip D'Ambrosio, a physics major and undergraduate teaching assistant, the success of the course was measured by the number of "aha" experiences he helped generate.

"The 'ahas' happened at least a few times each time the class met," said D'Ambrosio, who's graduating this term. "When I helped someone get the 'aha,' it was a good thing."

D'Ambrosio helped other students get the 'ahas' by being alert to the



Just checking

Gabriela Gonzalez, assistant professor of physics, looks at the results of lab work done by Roger Wang, left, and Lindsay Anne Woods.

Photo: Greg Grieco

needs of the student teams and trying to teach through analogy and discussion. The class works, he said, because the students have to be engaged in the activities and can't get through the class on autopilot. To complete the activities successfully, they have to get involved and they have to split up the work with their team members.

Faculty members teaching the classes make similar observations. Vincent Crespi, an assistant professor of physics who taught this semester's mechanics course, said his students soon discovered "that they don't learn by listening, they learn by doing. In many ways the course is tough, making strong demands on the students' skills in independent learning. But the wonderful thing is that the students actually like it. They do more work, but the work feels more like fun."

Gabriela Gonzalez, an assistant professor of physics who taught electricity and magnetism this semester, said that the best thing about the class is not that the students memorize the particular physics formulas they learn. If you need a formula, you go to the book and look it up, as working physicists do. "The value of the class is in relating physical concepts to the real world," she said. "Physical laws exist in experiments, not in textbooks."

The courses Crespi and Gonzalez taught this semester were developed over the past two years by physics professor Paul Sokol and associate physics professor Nitin Samarth (who also taught a section of electricity and magnetism this semester). The courses

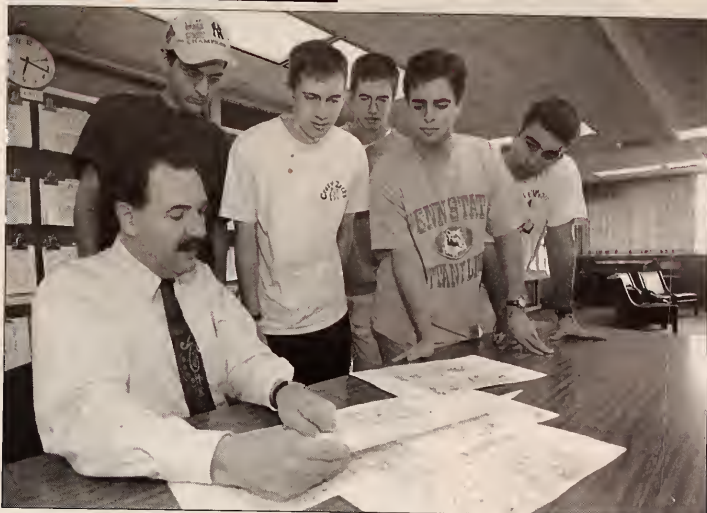
are based on a concept of "studio physics" classes developed several years ago at Rensselaer Polytechnic Institute and "workshop physics" classes at Dickinson College. Updated to incorporate the results of the latest education research, the classes also take advantage of Web technology and innovative, user-friendly new software packages.

The results of their efforts are tailored carefully to the students. Sokol, who has compared test scores from students who have taken the dynamic physics version of the class with those who have taken the lecture-based version, said that the students in the dynamic physics classes do 20 percent to 60 percent better than the others.

"They're also better able to apply the knowledge they've learned," Sokol said. "They show up early for class and stay late, they have a better appreciation of the material, they learn more, and they end up not hating the subject."

To upgrade the Osmond Lab where the course is taught, the University spent thousands of dollars on renovations and computers. Some outside grant money is also supporting the courses. University leaders are so pleased with the success of the dynamic physics courses that additional funds are being allocated to the program. The additional funds will mean that all engineering and science students will be able to take the dynamic physics courses each semester.

Highlight on Undergraduate Education



Comparing forecasts

Meteorology instructor Paul Knight, seated, and students Luis Rosa, Joe Koval, Joshua Fox, Hayden Frank and Brian Davey, far right, examine recent forecasts. Knight makes forecasts alongside teams of students, and then compares the results.

Photo: Greg Grifeco

Instructor grades himself along with his students on forecast accuracy

By MARY S. RISLEY
Special to Intercom

Teachers are generally accustomed to giving grades, not getting them. But when scores are posted from Paul Knight's "Mesoscale Forecasting" class, this instructor of meteorology's numbers are posted right alongside those of his students.

In a class designed to teach meteorology students how to better predict the weather, mesoscale forecasting is done on a regional basis the same way professionals do: by using the latest technology and working in teams.

Knight, who is Pennsylvania's state climatologist, divides his class into five-member teams that take turns being the class leaders. Before the class period, the team posts to a course Web site a variety of weather maps it has selected from the abundant sources available on the World Wide Web. The team members choose maps they believe will be most helpful in determining the weather in their selected region. Through consensus, the team then captions the maps and gives its forecast for the region.

During class, other class members log onto the Web to review the team's

chosen maps, then prepare their own individual forecasts. The students rate the maps on how helpful they were in developing those forecasts. At the next class meeting, a "post mortem" is held: evaluating all the forecasts for how closely they matched the actual weather patterns. Group scores are posted outside the classroom, with the most accurate score claiming the top spot on the list. There among them is Knight's score — and it's not always at the top. In fact during a recent class, Knight's score was just above the mean.

"He, sometimes there are bad forecasts," said Knight. "It's like that here. It's like that in the real world."

Of course, there was the time that everyone in the class predicted a huge snowstorm in North Dakota: everyone, that is, except Knight.

"He's the only one who correctly predicted thunderstorms, not snow," said Joe Koval, a senior in the class.

Knight's class, sponsored by the Schreyer Institute for Innovation in Learning, was inspired by his belief that real-world experience makes his meteorology students better weather forecasters. So in the spirit of teaching, Knight willingly subjects himself

to class scrutiny to make a point: Even professionals are not correct all of the time.

"This is just the nature of the business. Your self-worth has nothing to do with the posted scores," he said.

Knight, who's glad to know his students can see him as human, said the intent of the class is not to be a perfect forecaster, but to learn to work as a team and learn how to use the resources and technology available for forecasting — including the Internet.

Knight's active and collaborative approach is just the kind of teaching the Schreyer Institute supports.

"Paul's classroom is a harbinger of the future," said Larry Spence, director of the institute. "He has designed a whole experience where he directs students through the process and works beside them just as a master would work with apprentices."

In a recent class, the team leaders chose the best weather map which was on target for snow amounts. However, the class and Knight didn't believe the map and forecasted differently. As it turned out, they were all wrong.

"Welcome to the world of forecasting," Knight said.

EMPLOYEE BENEFITS

A regular column provided by the Office of Human Resources

Educational privilege credit limitations

Regular, full-time faculty and staff enrolling in Penn State credit courses who wish to take advantage of their educational privileges need to be aware of the credit limitations that apply. These credit limitations are outlined in Policy HR36, and the policy states:

■ Credit limits — 12-month employees

Scheduling of classes by a regular employee on a 12-month-service basis (including an academic employee), either for credit or to audit, is limited to 16 credits per academic year beginning with the summer session.

An employee (other than academic) can schedule up to a full schedule of credits during a semester or summer session that the employee is not working, provided he or she is on vacation or layoff during the entire period of that academic session.

■ Credit limits — two semester employees

Scheduling of classes by a regular employee on a two-semester-service basis (including an academic employee), either for credit or to audit, is limited to 12 credits during the two semesters in which the employee has worked within the academic year.

A two-semester-service basis employee can schedule up to a full schedule of credits during the summer session the employee is not working, provided he or she continues to receive payments on the salary payroll.

The complete Policy HR36 is available via the Office of Human Resources' Web site: <http://www.ohr.psu.edu> (see "Human Resources Policies" located in the "Policies and Guidelines" section). For more information, call the Employee Benefits Office at (814) 865-1473 or e-mail bene@psu.edu.

ARTS & ENTERTAINMENT

AT PENN STATE

Pops concert

Slack back your hair, get out your bobby socks and saddle shoes and twist the night away at 7:30 p.m. Tuesday, May 12, with the Williamsport Symphony Orchestra and Flash Cadillac at the Community Arts Center in Williamsport, part of Penn College.

Flash Cadillac has been performing for 25 years and was the first band to perform, in 1971, on *American Bandstand* without having a record.

For the past several years, Flash Cadillac has collaborated with more than 40 symphony orchestras to combine classic rock and classic pops.

For more information, call the arts center at (717) 326-2424. Tickets are \$37, \$32, \$26, \$21, \$18 and \$12.

On June 22, country music artists Diamond Rio will perform at the Community Arts Center at 7:30 p.m. Tickets are \$28.50, \$23.50 and \$18.50.

Crafts National 32

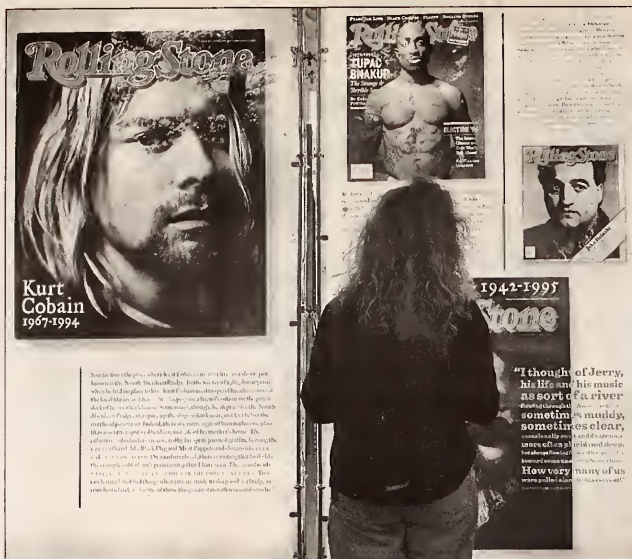
Zoller Gallery and the Central Pennsylvania Festival of the Arts jointly present "Crafts National 32," an annual juried crafts exhibition. The exhibition opens on May 31 and will run through July 19 in the Zoller Gallery, room 101 Visual Arts Building, on the University Park campus.

The exhibition features the work of 78 craft artists from across the United States and Canada, selected from 696 works entered by 253 artists.

For more information, contact Glen Speirs at (814) 863-3352.

MetaStages camps

MetaStages, an outreach program of the School of



Eye-catching display

An interested passer-by stops to take a closer look at a Rolling Stone exhibit, held recently at the Hetzel Union Building on the University Park campus. A variety of exhibits are now on display at the HUB and the Palmer Museum of Art. For details, check the University Park Calendar's exhibits section.

Photo: Greg Grieco

Theatre Arts, will offer drama camps for youth in July and August.

Separate sections for children ages 9-18 will include training in acting, voice and speech, mime, movement, improvisation and production workshop. The camps meet daily from 10 a.m. to 4 p.m. and culminate with final performances by

each group for family and friends on the stage of the Pavilion Theatre on the University Park campus.

For more information about drama camps and semester programs for kindergarten through grade 12, call Joann Leonard, director at (814) 867-8390.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, May 8
"Simply Silver," annual gala and silent auction to benefit the Palmer Museum of Art, 6:30 p.m., The Penn Stater. For tickets, call (814) 865-7672.

Saturday, May 9
"Catch a Bug" series, aquatic adventure, 10 a.m. to noon, Millbrook Marsh.

Friday, May 15
Commencement Ceremony, The Bryer Jordan Center and Eisenhower Auditorium, through May 17.

SEMINARS

Monday, May 18
Dalway J. Swaine on "Where are the Trace Elements in Coal?" 10 a.m., Coal Utilization Laboratory.

Wednesday, May 20
Dalway J. Swaine on "The Fate of Trace Elements in Coal during Combustion at a Modern Power Station," 10 a.m., 26 Hoesl.

CONFERENCES

Saturday, May 9
Pa. Physical Therapy Association, The Penn Stater.

Monday, May 11
Pa. Rural Transducer, The Nittany Lion Inn, through May 13.

24 Challenge, The Penn Stater.
Innovations in Distance Education, The Penn Stater.

Tuesday, May 12
ONR Transducer Workshop, The Penn Stater.

Wednesday, May 13
Centre Community Hospital, The Nittany Lion Inn.

County Controllers, The Nittany Lion Inn.

Pa. Manufacturers' Association, The Nittany Lion Inn.

Arthur Andersen, The Penn Stater.

Friday, May 15
Dental Seminars, The Penn Stater.

Mushroom Review, The Penn Stater.

Sales and Use Tax Seminar, The Penn Stater.

Sunday, May 17
Agriculture Executive Program, The Nittany Lion Inn, through May 22.

Pa. Junior Academy of Science '98, various campus rooms, through May 19.

Monday, May 18
Tax Conference 1998, The Penn Stater.

PAMFES Conference, The Nittany Lion Inn, through May 19.

Tuesday, May 19
Liquor Control Board License Seminar, The Penn Stater.

Wednesday, May 20
Link Computer Corporation, The Penn Stater.

Forensic Entomology, Frost Museum, through May 22.

Nursing Leadership Summit, The Penn Stater.

Centre Community Hospital, The Nittany Lion Inn.

Pa. Association of Area Agencies on Aging, The Nittany Lion.

Robert Morris Associates, The Nittany Lion Inn.

Thursday, May 21
Total Quality Council of Central Pa., The Nittany Inn.

Mastering Supervision, The Penn Stater.

Service Learning Youth Conference, The Penn Stater.

EXHIBITS

HUB Browsing Gallery
"The Celebration of Visual Traditions: Part V," through May 17.

HUB Sculpture Corner
"Peace Talks," by William Engle, through May 21.

Palmer Museum of Art
"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

"All That is Glorious Around Us: Paintings from the Hudson River School," through May 17.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Quality Conference and Expo '98

Expo preceded by debut of Quality Conference

Penn State quality was showcased at the sixth annual Quality Expo and the first-ever Quality Conference held April 21-22 on the University Park campus. The Expo, titled "Share, Learn, Celebrate," featured a record number of exhibits from 75 Continuous Quality Improvement teams from a variety of Penn State locations. The Nittany Lion Inn ballroom featured colorful booths, computer presentations and a variety of materials detailing processes identified and improved through the use of quality principles.

The first Quality Expo in 1992 featured the efforts of 23 teams, made up mostly of University staff members. Each year since, it has grown to showcase the efforts of teams of students, faculty and staff, and highlight the successes of inter-disciplinary and multi-unit teams.

"The Quality Expo really has changed and grown in the number of teams and projects developed," said Executive Vice President and Provost John Brighton, who has attended each one and visited with every team. "But the one constant is the energy and enthusiasm of those who exhibit. The enthusiasm is contagious. That speaks for itself about quality."

The Expo was preceded on April 21 by the Quality Conference, "Integrating Quality: Building Blocks for Excellence." Held at the Penn Stator Conference Center Hotel, it was attended by some 150 conferees, one-third of whom were from institutions other than Penn State.

"Many conference attendees expressed appreciation for Penn State bringing people together around quality issues," said Louise Sandmeyer, executive director of the Center for Quality and Planning. "We wanted to showcase what Penn State has done in quality efforts, but the primary intent was to create a dialogue with other institutions doing similar things."

"The mix of institutions represented—from public research universities to small liberal arts colleges and a private school for the hearing impaired—indicates that quality principles and tools can be translated into a number of educational settings."

The conference featured concurrent sessions on a wide range of quality issues, including "The Role of Leadership," "Teams in the Classroom," "Using Student Feedback to Improve Processes," "Maintaining Team Momentum" and "Measuring and Improving School and Work Environments."

Plenary speaker was David Ward, chancellor of the University of Wisconsin-Madison. Ward, a leader in efforts to improve the quality of undergraduate education, made a case for why institutions have to change and how looking at things systematically can help implement changes.

"We need a system that will allow us to think about what we do," he said. "Unless we have some shared vision of the future, it will be very hard to deliver a quality product."

In response, Brighton emphasized the importance of continuous quality improvement as a tool for building leadership and community within the University. "To be more effective in getting things done requires us to reflect on our culture and make changes when we feel they are necessary," he said. "We can change the culture by building leadership and community through linkages among individuals and units."

"We have made progress but there is a long way to go. We know and support our own units, but we need to know and support the larger university view. We need to continue to work across boundaries and build leadership at all levels."

Carolyn Woo, dean of the College of Business Administration at the University of Notre Dame, told the conference that managing the independent pieces is very important in terms of how well an organization can adapt.

"In higher education, one of the things we don't like to deal with is interdependence because of the value we place on individuals and independence. But the challenges in higher education require us to redefine boundaries and manage the independent pieces."

In addition to the booths and displays organized by exhibiting teams, the Quality Expo featured two Quality Circle Team presentations.

"Lessons Learned about Transformational Change" featured Warren Alpaugh, program manager, SAP Production, IBM, and Robert George, manager, Benchmarking Programs, DuPont.

William Anderson, assistant vice president for physical plant, and Rodney Erickson, vice president for research and dean of the Graduate School, made a presentation on "Effecting Change in a Quality Culture."

The Expo closed with recognition of individuals or teams who over the past six years have been consistently and enthusiastically involved in quality initiatives. Seventy-five certificates were presented to those nominated by the University Council on Continuous Quality Improvement.



A Quality Conference audience member reads about the Quality Expo at the first Penn State Quality Conference, "Integrating Quality: Building Blocks for Excellence," held in the Penn Stator Conference Center Hotel April 21-22.



Brent Ruben, executive director of the Office of Organizational Quality and Communication Improvement at Rutgers University, leads a discussion on the role of leadership in implementing CQI. Ruben was a presenter at the first Penn State Quality Conference.



Executive Vice President and Provost John Brighton and Maury Catter, director of the Office of Quality Improvement, University of Madison-Wiscansin, talk over dinner about quality improvement initiatives at their universities. Catter presented a session at the Quality Conference on Wiscansin's systemic approach to planning.

COMPUTER AND INFORMATION SYSTEMS Process Improvement Through Technology

Members of the University community will be able to get computing and communication information much more effectively beginning this summer because of work done by a CQI team in Computer and Information Systems.

The team, sponsored by J. Gary Augustson, executive director of Computer and Information Systems (C&IS), and led by Robin Anderson, has developed a Web page to simplify the process of connecting the customer to C&IS services regardless of who the customer is or which unit provides the service.

"When we asked if we were delivering our services such as e-mail, passwords, local area networks and other technology-related areas, we found we were forcing customers to know who provides the information or service before they could get an answer," Anderson said.

"In other words, we were making our customers responsible for determining the source before being able to obtain the information they were seeking."

The team decided to look at other universities and their information technology services. They benchmarked with the University of Delaware, Cornell University and the University of Texas at Austin using the World Wide Web.

"With the perspective of the customer in mind," Anderson said, "we then looked at services and how to best visually present them."

The Web page being developed by the team simplifies the process of connecting the customer to C&IS services by selecting from one of three options:

- pull-down category/topic menu
- tailored customer services (faculty, student or staff)
- keyword search

Other team members who worked on project are: Paul Peworichik, Jim Kerlin, Carol Rockey, Margaret Gearhart, Dace Freivalds, Carolyn Brown, Karen Schultz, Mimi Ridenour and Kathy Mayberry.

The new Web page will be accessible from the "Computing" button off the Penn State home page (<http://www.psu.edu/>) or at <http://www.psu.edu/cis/qi> starting this summer.

UNIVERSITY HEALTH SERVICES

General Medicine/Urgent Care Wait Time

No one, including University students, likes to wait to see a doctor. In an effort to reduce waiting time for students at Ritenour Health Center on the University Park campus, staff members in University Health Services have put a new process into place.

"We had two systems, appointments in general medicine and walk-ins in urgent care," Dr. Larry Danksy, clinical manager of general medicine, said. "There was a large amount of wait time involved with the walk-ins. We looked at all the issues and decided the system would be more effective if we saw more patients through appointments."

A CQI team of receptionists, nurses and clini-

cians, with Danksy as sponsor, Connie Cavalier, nurse manager, as team leader and Kathy Petroff, team member, analyzed the flow in the entire department, from check-in to check-out. Using CQI flow charting and benchmarking, a number of suggestions were implemented.

Under the new system every patient who walks in is assessed by a nurse in 15 minutes. After the initial assessment, the patient either gets immediate care from the nurse; is given an appointment — often on the same day — or is seen immediately by a clinician if there is an urgent need.

"To accommodate the shift from walk-ins to

ENROLLMENT MANAGEMENT AND ADMINISTRATION, FINANCE AND BUSINESS, OFFICE OF THE CORPORATE CONTROLLER

Improving the Student Enrollment Process

Flow charts and fishbone diagrams probably don't mean much to current and new Penn State students, but three University departments are using these tools, among others, to improve the student enrollment process.

The team, sponsored by John Romano, vice provost for enrollment management and administration, and Kenneth Babe, corporate controller, is led by Anna Griswold, assistant vice provost for student financial aid; Roseann Sieminski, assistant controller/bursar, and J. James Wager, registrar.

A flow chart developed by the team indicated 80 percent of students get through the process without serious difficulty, but some 20 percent fall into a red-line problem area.

"We try to concentrate our action in the red-line area in terms of what we can do to help those students get through the process, from payment of bill to registration," Sieminski said. "Working as a team we hope to streamline the process to help students."

According to Wager, the fishbone diagram identified four root causes of problems: communication, lack of funds, a decision not to return and a waiting time for grades. "Now that we've identified these root causes for the problems, the real work begins," he said. "We're now looking at how we can change some processes to make them better."

The team developed a survey on the registration and bill paying process involving 2,000 students and got a 30 percent response rate. CQI presentations on team strategy have been made at University Park and at the Altoona and Penn State Harrisburg campuses. Other efforts include a pilot test of extending the timeline for students who are in unpaid status; improvement of the notification letter to those students; and a pilot test solicitation of faculty to assist identifying scheduled students with actual class attendance.

"The team concept has helped all three areas in looking at this problem," Kelly Snyder, assistant director of financial aid and a team member, said. "All three areas depend on one another. We can't operate in isolation. We need to look at it as group."

Other team members are Gary Burkle, Cheryl Gallagher, Ralph Hosterman and William Miller. The team is facilitated by Barbara Sherlock.



Susan Hillenmeyer, vice president for administration and planning, Belmont University, discusses the Quality Conference with Gary Schultz, senior vice president for business and finance, and David Warmley, dean of the College of Engineering. Hillenmeyer and Warmley were members of a panel responding to the conference plenary address given by David Ward, chancellor at the University of Wisconsin.

appointments, we also shifted resources by assigning more clinicians to that side," Danksy said. "As a sponsor, I'm pleased to see that the new system is working. The wait time for walk-ins has decreased considerably and the appointment system also has become more effective. As a result, complaints have dropped considerably."

The CQI analysis began in 1995 and a long-range project has evolved.

"There has been a lot of give and take among staff members who have been willing to try new approaches to make it more successful," Danksy said.



Warren Alpaugh, program manager, IBM, and John Mostert, vice provost and dean, undergraduate education, talk quality initiatives in their organizations.

ENTER FOR EXCELLENCE IN LEARNING AND TEACHING Improving and Innovating Large Class Sections

Large class sections often received negative publicity press, the Center for Excellence in Learning and Teaching (CELT) wanted to design a program that would provide support to all teachers of large sections, ultimately assisting students in these classes. The team, sponsored by Warren Alpaugh, vice provost and dean for undergraduate education and headed by Diane Enerson, center director, arbitrated large sections as those with 100 students or more conducted a telephone survey of faculty and students. Through the survey, we found there was a lot of myths about large classes are badly taught," Enerson said. "The survey showed that teachers of large classes at Penn State had to be more senior on average, had a more visible commitment to teaching, but wanted a more direct support." Results of the survey led to appointment of a faculty advisory committee and then to the establishment of a series of roundtable discussions, "Teaching Large Classes at Penn State Making the System Work for You," in August 1996. The goal was to bring together new and experienced teachers of large class sections to discuss needs and challenges and exchange tips that could be applied immediately in the classroom. The team also hoped the exchange would help establish collegial relationships across disciplines. Many faculty liked holding the roundtable discussions in residence dining halls because that helped break down barriers of anonymity that arise because of large class sections," Enerson said. "What's really compelling is that 75 percent to 80 percent of those attending reported making a positive change as a result of a tip or suggestion they got at the roundtables." To provide follow-up to the roundtables and a compilation of teaching suggestions and tips, the center established a newsletter to which some 300 faculty currently subscribe. A program, "Take Your Professor to Lunch," was established for students in large classes and is offered during a two-week period in the middle of each semester. These initiatives were undertaken as a CQI project with significant increase in budget," Enerson said. "We collected a lot of data and followed a very focused systematic program. The team's efforts demonstrate the value of CQI principles." The team also included R. Neill Johnson and Kathryn Johnson as facilitators.

OFFICE OF UNDERGRADUATE ADMISSIONS Electronic Communications to Prospective Students

The Office of Undergraduate Admissions has a clear goal of receiving 80 percent of its admissions applications electronically by the year 2000.

To help achieve it, a team, sponsored by John Romano, vice provost for enrollment management and administration, and led by Steve Mostert, director of communications and customer services in Undergraduate Admissions, has been developing and refining a Penn State admissions application on the World Wide Web.

"The Web application is the one we put the most focus on," Mostert said. "We believe it is the electronic application of the future."

The team first developed a Web Admissions Application along with a small preliminary admissions Web site. It was replaced with a new, more comprehensive site that was launched in June 1997, on the Center for Academic Computing server along with the 1998 Web Admissions Application.

"We researched the tools available and worked with Rick Villastriago, art editor in the Department of Publications, on the Web site and application design," said Rose Prune, Undergraduate Admissions webmaster. "Immediately after launching the new site, we started getting a lot of applications — the number was quickly in the hundreds. We also found that students were coming to the site to get information. More and more students are getting access through the Web. We installed a hit counter on Feb. 20 this year and had nearly 17,000 hits as of April 28."

Undergraduate Admissions reports a nearly 400 percent increase in Web applications since the new site was launched. As of April 24, the office has received 3,552 Web applications. The site itself has grown to almost 300 pages.

"Currently, we're in the process of redoing the application to make it more interactive using a programming language that will eliminate some manual intervention and make it more user-friendly to encourage use of the application. We've been very pleased with the feedback from students and their families who find the site very informative."

Steven Focht, computer specialist in Undergraduate Admissions, has done all of the coding for the Web Admissions Application. Other team members contributing to the Web site are Jayne Crothers, Diane Hughes, Betty McKinley, Bryan Moody, Deb Little, Tony Moore, Sheila Petroski, Lisa Skripek, Claudia Sowash and Deb Younkina.

COMMONWEALTH COLLEGE, DELAWARE COUNTY CAMPUS Student Life Integrated Counseling

How do you provide comprehensive counseling services at a smaller campus with limited personnel and resources? At Penn State Delaware County, the answer is in a CQI team approach to counseling, now in its fourth year.

Integrated counseling, at the campus, means:

- Students seeking assistance in any of eight counseling areas can draw on the support services and personnel of the other areas in helping to meet their needs.
 - The professional staff works together to provide effective and comprehensive support for students, accessible at central locations in the three campus buildings.
 - Each staff member provides expertise and referrals in two or three counseling areas and support in the others.
- "We've found that we can better serve students and be more effective in using resources through our integrated counseling approach," Barbara Daniel, team leader, said. "All of the counseling areas are collaborating and are integrated with each other. The counselors meet as a team which helps us to discern patterns and trends and communicate. We bring our own individual insights to the total picture of the student and make our resources more efficient by sharing. One result of this team approach is that there is not a student in isolation."

The team has developed a brochure outlining the integrated counseling services for use by faculty and staff members at the campus.



Students in Penn State's Quality in Manufacturing Management program used the Baldridge criteria to assess the QMM program as part of "Communication and Leadership Skills for Managers," a course taught by Ron Johnson, instructor in QMM. Johnson and Michael Hottenstein, professor of operations management, talk about the students' exhibit at the Quality Expo.

"Providing counseling services information to our faculty and staff has allowed them to be the front line contact," Daniel said. "In many cases all they need is basic information to proceed, but in other cases they refer students to us. Most faculty and staff members use the brochure to answer questions or make a referral. The system has empowered our front-line people by providing the knowledge and information they need. But the key to the success of our program is a team made up of members talking to each other. It has enabled us to develop an awareness of the needs of our students."

Other members of the Integrated Counseling Services Team are Linda Campitelli and Loretta Ramsey.

Participating teams

Process Improvement through Information Technology

1. EXECUTIVE INFORMATION SYSTEM Various Units
2. PROCESS IMPROVEMENT THROUGH TECHNOLOGY I

Computer and Information Systems

3. PROCESS IMPROVEMENT THROUGH TECHNOLOGY II

Computer and Information Systems, Office of Telecommunications Outreach and Cooperative Extension, Conferences and Institutes

Computer and Information Systems, Office of Administrative Systems and Finance and Business, Office of the Corporate Controller

4. PENN STATE ON-LINE TUTORIALS

Computer and Information Systems, Center for Academic Computing

5. LEAP COMPUTER TRAINING FOR INCOMING FRESHMAN

Undergraduate Education, University Learning Resource Center

Administrative Processes

6. PROCESS ACTION TEAMS IN THE OFFICE OF PHYSICAL PLANT

Finance and Business, Office of Physical Plant

CQI Quality Management Board

Restroom Cleaning

Office Cleaning

Internal Litter

Classroom Cleaning

Janitorial Supplies for Second and Third Shifts

Temporary Transfer

7. PURCHASING CARD TASK FORCE

Finance and Business, Purchasing Services and Office of the Corporate Controller; Computer and Information Systems, Office of Administrative Systems

8. JUDICIAL AFFAIRS QUALITY IMPROVEMENT INITIATIVES

Office of Judicial Affairs, Student Affairs

Results of Educational Assignment Program

Results of Layered Alcohol Intervention Program

Results of Re-engineering Student

Contact

9. "JUST DO IT" TEAM

Penn State Altoona College

10. TRANSPORTATION SERVICES

Finance and Business, Business Services,

Parking/Transportation Services

Parking Permit Distribution

Process CQI Team

Fleet Operations CQI Communication Team

11. RESOLUTION LIFE PROFESSIONAL

STAFF SELECTION CQI TEAM

Student Affairs, Residence Life

12. PENN STATE HOSPITALITY SERVICES

Finance and Business, Auxiliary Services

Restaurant Server Task Force

Culinary-Banquet Task Force

Culinary-Restaurant Task Force

Banquet Server Task Force

13. EARTH AND MINERAL SCIENCES

STAFF ADVISORY COMMITTEE

The College of Earth and Mineral Sciences

Improving Teaching/Learning

14. C.A.U.S.E.: THE CENTER FOR UNDERGRADUATE STUDIES AND EXPERIENCE ... COLLABORATIVE RESEARCH FOR REAL-LIFE EDUCATION

The College of Earth and Mineral Sciences

15. CQI IN THE CLASSROOM

Executive Vice President and Provost, Schreyer Institute for Innovation in Learning

16. SCHREYER INSTITUTE ASSESSMENT PROJECT: PUSHING ASSESSMENT UPSTREAM

Executive Vice President and Provost, Schreyer Institute for Innovation in Learning

17. QUALITY AND MANUFACTURING MANAGEMENT (QMM) PROGRAM

College of Engineering and The Smeal College of Business Administration

18. BUSINESS LOGISTICS 405 TQM TEAM

The Smeal College of Business Administration, Department of Business Logistics

19. IMPROVING AND INNOVATING LARGE CLASS SECTIONS AT PENN STATE Undergraduate Education, Center for Excellence in Learning and Teaching

Quality Initiatives in Health Services

20. GROUP PSYCHOTHERAPY IMPROVEMENT TEAM AT C.A.P.S.

Student Affairs, Counseling and Psychological Services

21. UNIVERSITY HEALTH SERVICES

Student Affairs

General Medicine CQI Team

General Medicine/Urgent Care

Wait Time

Clinical Services Emergency Contraceptive Pill Side Effect

Timely Return of Loaned X-rays

22. HERSHEY QUALITY IMPROVEMENT

Hershey Medical Center Pediatric Intensive Care Unit CQI Team

Periparturient Patient Flow

Blood Glucose Monitoring

Crisis Response Team

Evaluation and Improvement of Medication Storage on Nursing Units

Restraint Use

Infant Car Seat Safety

Pneumonia Pathway Team

Rehabilitation Scheduling CQI Project

Inpatient Continuum of Care and Patient Focused Care

Rehospitalization Risk Factors: Can They Be Identified?

CQI: The Interdisciplinary Parental Nutrition Order Writing Process

University Hospital Outpatient Satisfaction Survey

Care Coordination

Academic Support Processes

23. THE DUS NAVIGATOR: THE PROGRESS CONTINUES

Undergraduate Education, Division of Undergraduate Studies

24. SHAKE, RATTLE, AND ROLL: THE BUILDING COORDINATION COUNCIL AND THE PATERNIO LIBRARY

University Libraries

25. BACK ON TRACK: RE-ENGINEERING A SELF-DIRECTED WORK TEAM

University Libraries, Acquisitions

26. IBM GRANT

College of Engineering, College of Education, and The Smeal College of Business Administration

27. OFFICE OF UNDERGRADUATE ADMISSIONS

Enrollment Management and Administration

Electronic Communications to Prospective Students

Out-of-State Receptions for Prospective and Offered Students

Presentation Improvement Team

28. CENTER FOR TOTAL QUALITY SCHOOLS

College of Education, Education Policy Studies

29. UNDERGRADUATE ACADEMIC ADVISEMENT

College of Education

30. INTEGRATED COUNSELING

Commonwealth College, Delaware County campus, Student Life

31. COMPREHENSIVE ACADEMIC ADVISING AND INFORMATION SYSTEM Undergraduate Education and Enrollment Management and Administration

32. RUTGERS PROGRAM FOR ORGANIZATIONAL QUALITY AND COMMUNICATION IMPROVEMENT (QCII)

Rutgers, The State University of New Jersey, Office of Quality and Communication Improvement

33. GRADUATE SCHOOL ADMISSIONS DECENTRALIZATION CQI TEAM

The Graduate School, Graduate Enrollment Services

34. IMPROVING THE STUDENT ENROLLMENT PROCESS

Enrollment Management and Administration and Finance and Business, Office of the Corporate Controller

Quality Support Units

HUMAN RESOURCE DEVELOPMENT CENTER

Finance and Business, Office of Human Resources

MANAGEMENT ENGINEERING

Finance and Business, Office of Human Resources

STUDENT AFFAIRS RESEARCH AND ASSESSMENT

Student Affairs

MANAGEMENT DEVELOPMENT PROGRAMS AND SERVICES

Outreach and Cooperative Extension

Other Exhibits

HEALTH MATTERS

Finance and Business, Office of Human Resources

TOTAL QUALITY COUNCIL OF CENTRAL PENNSYLVANIA

Chamber of Business and Industry of Centre County

CENTER FOR ADULT LEARNER SERVICES

Student Affairs

Special thanks

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Planning team

Joy Dietz, David Dimmick, Linda Klimczyk, Fred Loomis, Roberta Moore, Eric Olbrich, Sue Oram, Stacy Ostrosky, Bill Ritzman, Barbara Sherlock, Susan Shuman, Cyndi Snyder, Karen Wagner, Ellen Walker, Betzy Wilson

PSQ

PENN STATE QUALITY



Members of the Comprehensive Academic Advising and Information System CQI team talk about quality initiatives with visitors to the Quality Expo.

Airport gains \$1.2 million grant from PennDOT

A \$1.2 million grant from the Pennsylvania Department of Transportation has been awarded to help University Park Airport renovate and expand its general aviation terminal.

On May 1, Elizabeth S. Voras, PennDOT deputy secretary for aviation and rail freight, presented a check for \$1,255,938 to Robert Finley, assistant senior vice president for finance and business at Penn State, during an 11 a.m. ceremony at the airport.

Voras said the \$1.2 million was approved by the governor from the state capital budget for an improved general aviation terminal. The Federal Aviation Administration will contribute \$454,670 and the airport will provide \$840,520 to the project for a total cost of a little more than \$2.5 million.

She said an additional \$15,938 in state airport

development funds and a \$21,250 local contribution will pay to sealcoat taxi way and runway surfaces and to install a new rotating beacon.

"The Centre County area is growing and so is the need for scheduled service and general aviation service here at University Park Airport," Voras said. "In fact, the general aviation terminal here has outlived its usefulness. The planned renovation and expansion of this facility has become necessary so the airport can meet its general aviation demand."

Voras called the grants an "investment in Pennsylvania's transportation system." She said the region realizes a significant economic benefit from the operation of University Park Airport, estimated at more than \$68 million a year.

"The state funds provided to this airport are

an important investment in air safety, the region's economic vitality and the overall quality of life here," Voras said. Over the past 10 years, University Park Airport has been the recipient of more than \$2.6 million in state funds.

University Park Airport experiences more than 55,000 annual operations. United Express, USAir Express and Northwest Airlines offer scheduled daily air service to Philadelphia, Pittsburgh, Detroit and Washington, D.C.

University Park is one of 10 airports this year that will share \$7 million in capital funds approved by Gov. Tom Ridge. PennDOT's Bureau of Aviation will distribute another \$6 million in aviation development grants to 53 airports. For the first time this year, PennDOT will allocate \$8 million from a Federal Aviation Administration block grant.

Courses

Medical education

The College of Medicine at The Milton S. Eshelby Medical Center will hold a continuing medical education program, "Family Practice Management Review Course," on Thursday, May 14, from 7:30 a.m. to 4:30 p.m. at the medical center. The course will be followed by a reception and dinner at The Hotel Hershey.

The program is designed for academicians, community-based physicians, physician assistants, nurse practitioners, resident physicians, office managers, center directors and students and includes several keynote presentations and concurrent workshops on a variety of topics.

For fees and registration information, call Penn State Continuing Education at (717) 531-6483.

Summer-Fest 1998

The Center for Academic Computing will offer free workshops designed for faculty, staff and teaching assistants through Summer-Fest 1998. Most workshops are hands-on, while some will be informational sessions. Although workshops are skills-based, some are focused specifically on integrating technology in the classroom.

The workshops will be held May 18-22, June 15-19 and July 20-24 and are designed so that participants can attend an introductory course at the beginning of the week, then apply the materials and skills developed in a more advanced course later in the week. Participants may attend all three weeks and choose courses intermittently throughout the summer.

To register, go to the CAC training page on the Web at <http://cac.psu.edu/trainings/> and click on the "summer break" link, then click on the "registration" link. Confirmation will be sent via e-mail. Registrations also will be accepted by phone. Call the seminar hotline at (814) 863-9522.

For more information, call Cari Howlin at (814) 863-5769 or e-mail cxh25@psu.edu.

Penn College names Gilmour president

Following a national search, Davie Jane Gilmour has been named president of the Pennsylvania College of Technology in Williamsport, replacing Robert L. Breuder, who announced his retirement last September.

Her appointment was announced by the college's board of directors on May 4, following a recommendation by the search committee. Gilmour had been serving as Penn College's interim president since October. Her appointment is effective immediately.

Gilmour, who began her career 20 years ago at Penn College's predecessor the Williamsport Area Community College, has moved through the ranks of faculty and administration and has served as vice president for academic affairs and provost of the college since January 1996. As chief academic officer of Penn College and a member of President's Council, she has provided leadership and direction for credit and noncredit programming; supervised curriculum development, revision and evaluation; and authored and administered academic policies and procedures.

During her tenure, Gilmour has been responsible for facilitating the development of the college's first bachelor degrees — which number 22 to date. In addition, several building construction and renovation projects have been overseen by her, including the construction of the health sciences wing of the Robert L. Breuder Advanced Technology and Health Sciences Center; expansion of the library; and expansion and renovation of Le Jeune Chef Restaurant, which



DAVIE JANE GILMOUR

serves as a working laboratory for students in the School of Hospitality.

As leader of the college, Gilmour will oversee 236 full-time faculty members and 392 staff members, along with numerous adjunct faculty and part-time employees.

The college's student population is approximately 5,000. In addition to Penn College's main campus in Williamsport, there are an Aviation Center at the Williamsport Regional Airport, an Earth Science Center near Allenwood and a North Campus at Wellsboro.

Gilmour earned her A.S. and B.S. degrees in dental hygiene from West Liberty State College, and M.S. and Ph.D. degrees in health education from Penn State. Before beginning her career in education, she was a dental hygienist for a number of Harrisburg area dentists. She also is a past president of the Pennsylvania Dental Hygienists Association.

The search committee, chaired by Robert E. Dunham, chair of Penn College's board of directors, received professional assistance in its search from Heidrick & Struggles Inc. of Washington, D.C. Dunham said the search attracted interest from "three to four dozen legitimate candidates." The field was narrowed to eight semifinalists and then three finalists. The three finalists included Gilmour, Jose L. Torres, vice president of academics at Indiana Institute of Technology in Fort Wayne, Ind., and Kenneth E. Wing, president, SUNY College of Agriculture and Technology in Cobleskill, N.Y.

Assistant/associate dean applications now being accepted

Applications and nominations for assistant/associate dean for the Schreyer Honors College are being accepted. The committee will start considering applications on June 1, and will continue until the position is filled. The position will be available on or after Aug. 1, 1998. The assistant/associate dean reports directly to the dean of the Schreyer Honors College and is a senior member of the dean's leadership team.

The assistant/associate dean for the college is responsible for overseeing all matters pertaining to the honors curriculum, providing leadership for honors advising services, conducting college seminars for faculty and staff in all academic and campus colleges, and coordinating course development with the Schreyer Institute for Innovation in Learning. The assistant/associate dean also will assist the dean with strategic planning for the college, facilitate interactions between academic colleges and the Schreyer Honors College and represent the college at University functions and meetings concerned with undergraduate honors education and curricular matters. Such functions may include the annual Committee on Institutional Cooperation honors conferences, ACUE meetings, conferences on higher education, development visits, honors ceremonies, etc. Development of training grant applications and other special projects may be assigned as well.

Essential requirements include high energy and creativity, excellent communication skills, team spirit, and a vision for higher education, teaching innovations and honors education. Candidates should have a earned doctorate, the potential to serve in a tenured faculty position, and knowledge of current developments in honors and/or higher education. Desired qualities include experience in the advancement, assessment and promotion of academic programs as well as a demonstrated record of commitment to work collaboratively in multidisciplinary groups as well as with a diverse faculty, staff and student body.

A letter of application, a full curriculum vita and arrangement for three letters of reference should be sent to: Robert Secor, c/o Carol Gardner, The Schreyer Honors College, 214 Willard Building, University Park, Pa. 16802.

"Framework to Foster Diversity" ready for action

By KAREN WAGNER
Public Information

Three years in the making, Penn State's recently completed "Framework to Foster Diversity" will kick into action this month and carry the University through the year 2002.

One of the first action items will be to schedule a series of focus group sessions at all Penn State locations that will give the Office of Educational Equity a broad-based understanding of how diversity is interpreted across the Penn State system. How does the University define diversity?

The focus groups will explore the usefulness of some of the descriptors presented at the November 1993 meeting of the Board of Trustees. The definition included:

- Reasonable representation from different minority groups;
- Representation from different countries and cultures;
- Reasonable balance of gender;
- Diversity in curriculum content;
- A climate supportive of different minority groups and cultures.

Tom Poole, assistant vice provost for educational equity, emphasizes that implementing the plan will be a dynamic process.

"The challenges presented in the plan are not sequential — we will evaluate and address a number

Diversity on the Web

A Framework to Foster Diversity at Penn State can be found on the Web at <http://www.dions.psu.edu/diversity/framework/>. The site includes the goals and guidelines of diversity planning, a vision statement, a message from the president and the various challenges encountered in attempting to meet the goals.

of action items simultaneously."

In addition to organizing the focus group sessions, Susan Shuman, currently the Administrative Fellow for the executive vice president and provost, is analyzing climate surveys that have already been conducted across the University. Although surveys have been administered in several units, this will be the first attempt the University has made to collect the results centrally and make effective use of the information.

The primary objective in analyzing the surveys will be to uncover existing "best practices" and share them with other units.

Other goals outlined in the plan are:

- Develop strategies to recruit and retain non-traditional students;
- Develop strategies to help search committees identify and assess the credentials of women and minority candidates;
- Expand faculty and staff retention programs to include all underrepresented groups;

■ Accelerate the introduction of family-friendly policies and programs and expand personal and professional development opportunities;

■ Institute curricula and research initiatives that provide students with the skills and orientation to function effectively in multicultural work places and social environments;

■ Develop diverse management teams at all levels of the organization;

■ Institute organizational strategies and support to meet the University's diversity goals.

The plan outlines several steps that will advance these goals. Among them are plans to assess and strengthen residence life and community education programs for students; to conduct a review of current retention initiatives in each college and create a working committee to establish programs in Asian American, disability, Hispanic/Latino American and lesbian, gay and bisexual studies.

In accordance with recent changes in Penn State's general education requirements, the Office of Educational Equity wants to work closely with faculty who are interested in introducing a multicultural perspective to their courses. Other possible action items include developing information packets and a list of contact people who can assist units in their recruitment efforts and the design and implementation of an exit interview process.

A draft of the plan was presented Jan. 16 to the Board of Trustees.

Alumni now have lifelong e-mail forwarding address

A partnership between the Penn State Alumni Association and the Center for Academic Computing will give the Class of 1998 a new tool for staying in touch: a free, permanent e-mail forwarding address. A class member now can give out a single e-mail address that will stay current for the graduate's lifetime.

"The advantage is that no matter how often our alumni move or change e-mail providers, they will have a way to stay in contact with one another," said Diane K. Ryan, executive director of the Alumni Association.

The e-mail address the student had at Penn State is the basis for the lifetime forwarding address. For example, a student whose Penn State address was xyz101@psu.edu will be assigned the lifetime forwarding address xyz101@alumni.psu.edu upon graduation. The forwarding address acts as a kind of permanent alias and mail can be forwarded to the grad's current account.

The lifetime forwarding address is not an e-mail account. Students still need to obtain their own e-mail accounts from outside providers within six months after graduation. But as long as the graduate keeps a current e-mail address on file with the Alumni Association, e-mail will be forwarded automatically to that address.

Members of the Class of 1998 don't have to do anything to start the forwarding — the service begins automatically. The Alumni Association hopes to offer the service to all members of the association at a later time.

For more information about lifetime e-mail forwarding, contact April Seimio, director of marketing communications for the Alumni Association, at (814) 863-1865 or ajsa@psu.edu.

The 140,000-member Penn State Alumni Association, founded in 1870, is the largest dues-paying alumni association in the United States.

Center to administratively relocate

On July 1, the Australia-New Zealand Studies Center at Penn State will be administratively relocated, becoming part of an Asia Pacific Center under the auspices of the University Office of International Programs. Established in 1962, the Australia-New Zealand Studies Center is a unit of the University's Intercollege Research Programs. Under the terms of the reorganization, the Intercollege Research Programs will transfer responsibility for the existing center's facilities to Beverly Lindsay, dean of the Office of International Programs.

In its 16 years of existence, the Australia-New Zealand Studies Center has contributed to Penn State's efforts to enhance faculty and student involvement with international affairs.

Interdisciplinary since its inception, the center has sponsored 21 conferences and 10 symposia on a variety of topics from technology transfer to

social policy. It also has been involved in countless cultural and artistic offerings, and has hosted scores of visiting fellows.

The Asia Pacific Center will become the first component of a new Institute for International Education and Policy Research to be established by the Office of International Programs. Intended to provide a focal point for the broad range of Penn State's engagement with the Pacific Basin, the Asia Pacific Center will capitalize on the groundwork laid by the Australia-New Zealand Studies Center. A 1994-96 task force report identified more than 100 faculty with research interests in the Asia Pacific region.

For more information about the Asia Pacific Center, contact John M. Keller by e-mail at jmk13@psu.edu, or Patricia A. Corbett at pac9@psu.edu; or call (814) 863-1603.

Tipper Gore to speak at Hazleton

Tipper Gore, the wife of U.S. Vice President Al Gore and a national advocate for issues such as children's health, mental health, the homeless and physical fitness, is scheduled to be the speaker for the May 15 commencement ceremonies at Penn State Hazleton.

Approximately 76 students will be receiving associate or baccalaureate degrees at the campus ceremony. Her visit coincides with the campus' observance of its 50th anniversary at Highcamp.

Tipper Gore is an active proponent of healthy living and healthy lives, encompassing a variety of issues. She helped form the Congressional Wives Task Force, which sought to draw attention to violence children are exposed to through the media. She subsequently co-founded the Parents' Music Resource Center in 1985 to promote parental and consumer awareness of issues in popular entertain-

ment marketed to children.

Ultimately, the PMRC was successful in gaining a voluntary agreement between the Recording Industry Association of America and the National Parent Teacher Association to place consumer labels on music with violent or explicit lyrics. Those warning labels are still in use today and have served as a model for labeling efforts for television and other media.

A major advocate for the homeless, she co-founded and chaired Families for the Homeless in 1986, a non-partisan partnership of families that raises public awareness of homeless issues. She is the mental health policy adviser to President Clinton, and has also worked closely with the administration to ensure the inclusion of mental health services in health care policy.



Back on the ground

The orbiter Columbia approaches touchdown on Runway 33 of Kennedy Space Center's Shuttle Landing Facility to complete the nearly 16-day STS-90 mission. Main gear touchdown was at 12:08:59 p.m. on May 3. The wheels stopped at 12:09:58, completing a total mission time of 15 days, 21 hours, 50 minutes and 58 seconds.

Photo: Courtesy NASA Web site

First faculty astronaut safely back on Earth

By BARBARA HALE
Public Information

The Space Shuttle Columbia glided to a safe landing at Kennedy Space Center in Florida, at 12:09 p.m. Sunday, May 3, returning James A. Pawelczyk, the first Penn State faculty member to go into space, to his home planet.

Pawelczyk, assistant professor of physiology and kinesiology in the College of Health and Human Development, served as a payload specialist aboard the 16-day mission. His chief duty was to act as operator and subject for the 26 studies that were the scientific focus of the mission, known as NeuroLab.

"It's great to have Jim safely back on Earth and we're looking forward to his return to Penn State," said University President Graham B. Spanier. "The important experiments he and his crew mates performed during the mission will have an important impact on our understanding of human physiology."

"We are proud of Jim's contributions to the U.S. space program and are excited about the impact he will have in the classrooms of Penn State."

During the mission, which was devoted to studies of the brain, nervous system and behavior,

Pawelczyk conducted experiments with rats and mice, but he also was spun in a rotating chair at 45 miles per hour to explore how the balance organs in the inner ear adapt to spaceflight. He had his sleep cycle, nighttime movement, breathing patterns, blood pressure and heart rate recorded to help determine if altered breathing patterns contribute to the difficulties astronauts have sleeping in weightlessness.

He caught balls and used a special glove to test how eye-hand coordination changes as the nervous system adjusts to the lack of gravity. He allowed his fellow payload specialist, Jay Buckley, to place an electrode the size of an acupuncture needle in a nerve just below his knee to record the signals going from the brain to blood vessels.

On day nine of the mission, Pawelczyk and the other six crew members successfully repaired the shuttle's carbon dioxide removal equipment which threatened to cut short the mission. The repair came just a day before Pawelczyk held a planned, interactive, distance education session with 27

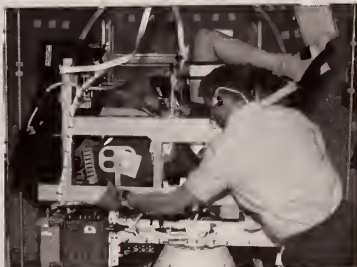
Photo: Greg Grieco



Pawelczyk the subject

James A. Pawelczyk is the subject of human autonomic experiments in the NeuroLab of the Earth-orbiting Space Shuttle Columbia. Jay C. Buckley Jr., payload specialist (right hand in frame lower left corner), and Pawelczyk are conducting experiments involving the Lower Body Negative Pressure device to determine how the human nervous system adapts to the weightlessness of space.

Photo: Courtesy NASA Web site



Pawelczyk the scientist

James Pawelczyk readies astronaut David R. Williams for a run in the NeuroLab off-axis rotator, developed by the European Space Agency. While the device spins and tilts, infrared video cameras capture eye movements.

Photo: Courtesy NASA Web site

Penn State graduate and undergraduate students while he orbited 168 miles above the Earth.

Throughout the mission, he was, as President Spanier noted during the distance education session, the embodiment of Penn State's land-grant mission, combining research with teaching and service as never before.

It is not known when Pawelczyk will return to campus. He must first undergo a series of special medical examinations by the staff at Johnson Space Center in Houston. The medical regime will not only assess his overall health, but also will record his body's responses to flight and his return to gravity.



Pawelczyk the teacher

A student stands to ask a question of James Pawelczyk (on television screen), who taught a class from space on April 27.

Photo: Greg Grieco

Awards

Accounting manager wins Libraries award

Torsten Bjälme, accounting manager, has received the 1998 University Libraries Award.

Bjälme was chosen by his colleagues on the faculty and staff of the Libraries in recognition of his professionalism, integrity, creativity, dedicated leadership and outstanding work in innovation and training, as well as his broad job knowledge, organizational sense and enthusiasm for the advancement of the University Libraries. Bjälme has worked for Penn State and the University Libraries since February 1963.



TORSTEN BJÄLME

HAZLETON, PA. — Torsten Bjälme, accounting manager, has received the 1998 University Libraries Award.

Hazleton educator given Teaching Excellence Award

Carl S. Frankel, assistant professor of biology at Penn State Hazleton, was given the Teaching Excellence Award. Established in 1994 by the Hazleton Education Council (HEC), the campus advisory board, the citation recognizes outstanding teaching. Candidates can be nominated by students, faculty staff and friends of the campus.

Penn State Hazleton students voted Frankel "Teacher of the Year" in 1988, 1990 and 1992.

ARL receives safety award

The Applied Research Laboratory, a Navy-sponsored research facility at University Park, has accumulated 275 million work hours without a lost-time accident. Joe Armstrong, safety inspector for the Pennsylvania Manufacturers Association, the University's third-party insurance administrator, cited the facility's focused commitment to safety with an award for remaining accident-free for nearly two years.

Armstrong said laboratory employees gained greater safety awareness through in-house training programs for first-aid and handling hazardous materials and equipment.

This award marks the largest total amount of time recognized by the association, which provides risk control and claims management services for the University.

Eberly College chosen for inaugural scholarships

The Eberly College of Science has been selected to receive one of the first Beckman Scholars Program Institutional Awards for the 1998-99 academic year. Of the 172 institutions invited to submit applications to the Arnold and Mabel Beckman Foundation, Penn State is one of only 20 chosen.

The Eberly College of Science will receive three student awards totaling \$52,800, with the possibility of continued funding for an additional year. The undergraduate researchers will each receive \$11,000 for two, 10-week summers of full-time research and \$3,600 for 10 hours per week of research during the academic year. Top students also participate in the Beckman Scholars Annual Research Symposium. Awardees will be named in the fall.

McKeesport honors its staff

John W. Beatty, director of student affairs at Penn State McKeesport, was recently recognized with a Leadership Award for dynamic coordination of activities under his supervision, including residence life, health services, student activities, sports program and the Learning Center. He regularly solves student-related problems as well as inter-departmental questions.

Beatty was recognized not only for his creative problem solving, but also for his interactive approach to planning campus activities.

Judy Bruney, staff assistant to the campus executive officer, received the Service Award for her many contributions "above and beyond" her regular duties. She consistently goes the extra mile to help others and serves in a variety of capacities. She assists with many special events including advisory board functions, Alumni Society programs and departmental projects. In addition, she serves as an important communications link and coordinator with all campus staff, students, faculty and community.

Penn College major named best in Pa.

Pennsylvania College of Technology's two-year automotive technology major has finished first in the state. The Industry Planning Council has presented Penn College with the Excellence in Post-Secondary Vocational Automotive Education Award.

The Industry Planning Council is composed of the National Institute for Automotive Service Excellence, the American Vocational Association, and the American Automobile Manufacturers Association Inc., and is administered by the National Automotive Technicians Education Foundation Inc.

In determining the award, the Industry Planning Council assesses all automotive programs in the country, particularly state by state, to

determine the best schools. In Pennsylvania, Penn College was selected from about 12 others as the best non-affiliated automotive training program, which means a program that is not directly sponsored or financed by a manufacturer.

John K. Hammond, automotive department head and professor of automotive technology, accepted the award. There are currently about 70 students enrolled in Penn College's automotive technology major and about 150 students in all Penn College automotive majors.

Penn College will receive another automotive honor in July by being the host site for the 25th annual conference of the North American Council of Automotive Teachers (NACAT).

Associate professor earns fellowship with National Geographic magazine

Jack Lauterer, associate professor of journalism in the College of Communications, has been awarded the 1998 National Geographic Faculty Fellowship for 10 weeks of study this summer in Washington, D.C.

The fellowship will allow Lauterer to observe the inner workings of what is arguably the world's foremost photography magazine.

Each year, the photographic division of the magazine selects one college or university journalism professor for a summer of study and observation. At National Geographic headquarters, Lauterer will be allowed to



JOCK LAUTERER

sit in on the planning, editing, layout, design and production

stages of the magazine's visual coverage.

Lauterer, who spent 14 years as co-founder and editor-publisher of two community newspapers in North Carolina, also is the author of six books, the majority of which also contain his photography. At Penn State, he created the visual communications sequence, including photojournalism and print graphics classes, and launched a community journalism class. He also is on the board of directors of the *Daily Collegian* and serves as faculty co-adviser to *The Forum*, the college's online student newspaper.

Associate professor of engineering at Delaware County named outstanding adviser

Arya Ebrahimpour, associate professor of engineering at Penn State Delaware County, has been selected as a recipient of the 1998 Penn State Engineering Society Outstanding Adviser Award. The award recognizes outstanding advisers of undergraduate and graduate engineering students.

Ebrahimpour received his doctoral, master's and bachelor's degrees in civil engineering from

the University of Idaho. His scholarly and research interests include engineering mechanics (statics, dynamics and strength of materials), engineering methods and graphics, and structural engineering.

Since joining the Penn State faculty in 1990, Ebrahimpour has received numerous research grants and awards, and has had articles published in several journals and trade publications.

Faculty/Staff Alerts

Master plan update today

Open sessions on the University Park Campus Master Plan for the campus and community will be held today from noon to 2 p.m. in 111 Boucke Building and from 7:30 to 9 p.m. at the State College Borough Municipal Building. Johnson, Johnson & Roy, the campus master plan consultants, will present the planning principles and guidelines, revisions to the composite plan, and also will discuss transportation issues.

Future open sessions will be scheduled in July and October.

Library hours

The University Libraries at University Park have extended hours during finals week:

— Thursday, May 7: 7:45 a.m. to midnight; and midnight to 2 a.m.**

— Friday, May 8: 7:45 a.m. to 9 p.m.; and 9 p.m. to midnight*

— Saturday, May 9: 8 a.m. to 2 p.m.

— Sunday, May 10: CLOSED

*Includes Reserve Reading Room and East Pattee floors 1-4 only

**Includes Reserve Reading Room, Literature, Periodicals Room, and East Pattee floors 1-4.

The Music Listening Room will maintain regular hours during the final exam period; Pollock Library will continue 24-hour service during the final exam period until closing at 5 p.m. Saturday, May 9. It will remain closed Sunday, May 10.

All University Park branch libraries will maintain regular operating hours through Friday, May 8. They will close at 5 p.m. Saturday, May 9, and will remain closed Sunday, May 10.

For more information on hours of library service, call (814) 865-3063, type HELP HOURS when using the Library Information Access System (LIAS), or visit the Libraries' home page at <http://www.libraries.psu.edu>.

Intercession hours

University Libraries on the University Park campus will observe the following schedule during Intercession, May 11-June 9:

Pattee Library*, Architecture Library, Earth and Mineral Sciences Library, Education Library, Engineering Library, Mathematics Library and Physical Sciences Library will be open Monday-Thursday, 8 a.m. to 10 p.m.; Friday, 8 a.m. to 5 p.m.; Saturday, 9 a.m. to 5 p.m.; and Sunday, 1 p.m. to 5 p.m.

*On the days when Pattee is not closed, the Music Listening Room will be open from 1 to 5 p.m. and closed weekends. The University Archives/Penn State Room will be open Monday through Friday from 9:30 a.m. to 5 p.m.

Pollock Library will be closed from May 11 to June 7 for construction of a new elevator. It will be open June 8-9 from 8 a.m. to midnight.

All libraries will be closed on Sunday, May 10; Monday, May 25; Saturday, June 6; and Sunday, June 7, and resume regular operating hours on Wednesday, June 10.

For more information on hours of library service, call (814) 865-3063, type HELP HOURS when using the Library Information Access System (LIAS), or visit the Libraries' home page at <http://www.libraries.psu.edu>.

Faculty exposition planned

"Successfully Navigating the Emerging Learning Environment," an exposition to allow faculty to examine the implications of technology for course development, design and delivery, will be held Tues-



Under construction

Office of Physical Plant workers get the front patio area of Recreation Building on the University Park campus ready for new concrete. Several construction projects will take place at the campus this summer.

Photo: Greg Gricco

day, May 12, on the University Park campus. The event, from noon to 3 p.m. at the Penn State Conference Center Hotel, will include demonstrations of innovative uses of technology; new ideas for designing and delivering technology-enhanced instruction; faculty exhibits from instructors who are using new teaching methods; and more.

For more information, call Chris Dufour at (814) 863-5100.

Holiday hours

The Penn State Call Center Services Office will operate on holiday hours Monday May 25, for the Memorial Day holiday. Hours will be 8:30 a.m. to 4:30 p.m. The office will resume normal hours of operation, from 7:30 a.m. to 11 p.m., on Tuesday, May 26.

Holiday announcements

The University will observe the Memorial Day holiday on Monday, May 25. There will be no classes that day.

Independence Day will be observed on Saturday, July 4. Friday, July 3 will not be a University holiday; however, classes will not be held July 3.

University policies provide that if a University holiday falls on an employee's regularly scheduled day off, the employee receives another day off with pay to be used at another time. So employees who normally do not work Saturdays will receive a compensatory day for the Independence Day holiday.

Questions about the above holiday schedule information should be directed to appropriate college or department human resources representatives, or business officers at facilities away from University Park.

Relay for Life

The 1998 "Relay for Life," a 24-hour annual walk/run which raises money to help fight cancer,

will be held June 6-7 at Rogers Stadium in Bellefonte. Individuals are currently being sought to participate on any number of already-organized teams. A \$10 registration fee is charged and participants will receive a T-shirt. Last year the event raised about \$78,000 to help fight cancer through research.

Anyone interested in participating in this event sponsored by the American Cancer Society should call the Relay Hotline at (814) 231-2585.

Career exploration

An upcoming program for adult learners with disabilities seeking educational and career information in order to begin a college program or update their skills is set for two Saturdays in June. The Education and Career Exploration Seminar for Persons with Disabilities will be held at University Park on June 6 and June 23 from 9 a.m. to 1 p.m. Participants must be able to attend both sessions. The registration fee is \$10 and the registration deadline is Friday, May 15. This two-part series is intended to provide participants with the opportunity to learn more about themselves, their career interests and options, and the educational programs and services available at Penn State.

For more information or to register, call the Center for Adult Learner Services at (814) 863-3887.

This program is sponsored by the Center for Adult Learner Services, Career Services and the Equal Opportunity Planning Committee.

Stress therapy

Register now for classes at the Hetzel Union Center for Arts and Crafts on the University Park campus. Adult classes include drawing, painting, textile design, clay, stained glass, creative writing, yoga and aromatherapy. Expanded two-week sessions of summer art camps for children and teen studios begin June 15 and continue through Aug. 14. For a complete listing of classes, call Michele Lucas, (814) 863-0229.

Buying bonds

When determining savings and investment strategies, many individuals include the purchase of U.S. Savings Bonds as part of their investment portfolio. Faculty and staff are reminded that Series EE U.S. Savings Bonds may be purchased on a payroll deduction basis.

Series EE bonds are purchased at one-half the amount of their face amount, and the market-based interest they earn determine when they reach face value. Series EE bonds earn 90 percent of the average yield on five-year U.S. Treasury securities. New rates are announced each May 1 and Nov. 1. Interest is added to the value of the EE bonds every month and compounded semiannually at the announced rate.

Savings bonds are considered both safe and secure. Interest earned on Series EE bonds is exempt from state and local income taxes and the bonds also may be purchased to help save for a child's educational expense.

More detailed information about U.S. Savings Bonds is available at <http://www.savingsbonds.gov>. To begin payroll deductions or to change the amount being withheld, an "Authorization for Purchase of U.S. Savings Bonds" form must be completed. These forms are available from the payroll office at (814) 865-7621, or by e-mail at payroll.psu.edu.

Child care, summer camp guides

The Guide to Summer Programs and Camps for School-Age Children and the State College Area Child Care Facilities Guide are now available through the Work/Life Programs office, Office of Human Resources, University Park. To request either publication call (814) 865-5886 or e-mail your request to cac13@psu.edu.

Technology unites students systemwide in the classroom

By VICKI FONG
Public Information

As students stroll into his University Park classroom, Professor Thomas Hale gets ready in a slightly unusual way. Armed with a laptop, control board and document camera, Hale faces a TV camera and looks at a 27-inch TV screen for signs of his other students.

"Good morning, McKeesport," Hale says.

A signal chirps as the picture of a McKeesport campus classroom pops up on the monitor. "Good morning," say the students as they settle into their seats.

"Good morning, Berks."

There is silence.

"Hello, Berks?" Hale pauses. Then, a classroom flashes across the screen with the technician peering into the camera. "Sorry, there was a little glitch," he says.

Welcome to the "Masterpieces of Literature from Africa" course, taught by Hale through a PictureTel videoconferencing system to a total of 86 students from University Park, McKeesport, Berks, Lehigh Valley and Wilkes-Barre campuses.

This course is one of two African studies courses currently offered this semester as part of a two-year project to strengthen and expand African studies at Penn State by using communications technology. Funded by the University and a \$98,000 grant from the U.S. Department of Education, this project appears to be the first to serve four campuses simultaneously from University Park.

"The University has supported a nucleus of African studies courses since the late 1960s, but any plans to expand the program significantly have faced obstacles of diminishing resources, modest enrollments and a small number of full-time faculty who teach courses on Africa regularly," says Hale, professor of African, French and comparative literature, and director of the project. "In addition, freshmen and sophomore students at most campuses, who were a potential audience, were not able to take any courses until they came to University Park."

In response to the stumbling blocks, Hale developed a comprehensive proposal to redesign the African studies curriculum. Working with a team of liberal arts faculty members, he modified three courses to link to the campuses and created seven new in-depth courses for University Park students, all using communications technology.



Making a point

Professor Thomas Hale addresses a student during his PicTel class.

Photo: Greg Grieco

Teaching the PicTel classes to the campuses goes well beyond just lecturing on television. The PicTel videoconferencing system provides an economical way for students to ask questions of the professors and of each other. By using a laptop computer connected to an interactive video control board, the instructors can pop in a CD loaded with slides and show photographic images, maps and other visuals to students at all sites.

The project also requires the instructors to visit each campus during the semester and teach the class from that site so all students get to meet them in person.

Students can log into a Web site and check a list of current assignments, study questions and e-mail addresses of classmates. Through e-mail, students submit brief essays on assigned readings. For team reports, students who are paired with a partner at another campus must talk with each other via e-mail or the telephone in order to prepare their presentations.

On this particular day, for example, the class listened to several team reports. One student illustrated

her talk by sliding photos of Islamic mosques under the video document camera, which transmitted the images to all the TV monitors at five campuses. Another student designed computerized graphic charts which lit up the monitor with facts and figures as she spoke.

"The interactive nature of PicTel requires a lot more preparation for visuals, as well as planning for communication by e-mail and training on the use of the equipment," Hale says. "But the messages of the course are taking center stage and the technology is fading in the minds of both the faculty and the students. We are seeing students developing bonds with each other and with the instructor that bridge the distance between the campuses."

A second course, "Introduction to Contemporary Africa," is team taught by Christine Ahmed and Clemente Abrokwa, faculty members in the Department of African and African American Studies. The class comprises more than 80 students from University Park, McKeesport, Berks, Lehigh Valley and Worthington Scranton campuses.

Enrollment in each PicTel course has jumped from 40 to more than 80 students, exceeding expectations. The goal is to provide an early introduction to African studies, with the hope that more Penn State students might continue to take in-depth courses at University Park.

The response from students has been positive.

Richard Rosenthal, from McKeesport, noted, "The first week took some time to get used to the slight time delay in the videoconferencing, but now, I feel like I'm right in the classroom with the professor and all the students."

Faculty members are now evaluating each course and preparing to make a variety of changes for next year. In addition, at University Park this semester, the three in-depth courses covering gender dynamics, early African history and modern African history also reached predicted enrollments.

"The initial reviews have been very promising," says Hale. "Some Big Ten universities, particularly those with major African studies programs, are interested in collaborating on similar courses with us. While the number of African studies programs and scholars nationwide in the U.S. is small compared with western European studies programs, this entire project enables us to take some major steps to reach more students and better nurture the interest in Africa sparked by our changing society and global economy."

Lehigh Valley to help people in three counties help selves

Through several multi-year contracts totaling nearly \$1 million, Penn State Lehigh Valley will help people in three counties remove their names from the welfare rolls and enter the workforce.

Lehigh Valley, along with an Allentown service agency, has been awarded a grant from the Pennsylvania Department of Public Welfare to conduct intensive "welfare-to-work" programs.

Through its Department of Continuing Education, the campus will work with the Hispanic American Organization in Allentown, other local community colleges and the local vocational technical school to develop programs to train clients to enter the working world. Under the grant, specific skill training in the

areas of certified nurse assistants, customer service, retail, receptionist and hospitality will be offered. Penn State will offer courses at the Hispanic American Organization's new facility in Bethlehem, its Allentown facility and other community-based locations.

Classes in English as a second language, GED preparation and computer literacy will be taught in a modern computer lab at Lehigh Valley, where students will use up-to-date software for basic skills, typing, word processing, desktop publishing. They also will learn how to use the Internet.

Program organizers expect 470 welfare recipients annually to move into productive jobs as a result of this effort.

Obituaries

Vaclav E. Mares, professor emeritus of economics, died on Feb. 8 in Sarasota, Fla. Born in Prague, Czechoslovakia, in 1902, he was a graduate of the Ecole des Sciences Politiques in Paris and received his Ph.D. in 1926 at Charles University in Prague. During the following 20 years, he worked in industrial management in Prague. In 1946 he was appointed commercial counselor to Czechoslovakia's Embassy in Washington with special assignment at the United Nations in New York. In 1948, after the communist takeover of his native country, he resigned and joined the faculty of Penn State where for the following 21 years, he lectured in areas of foreign trade and international economics.

Elburt Franklin Osborn, former dean of the College of Mineral Industries

and vice president for research at Penn State, died Jan. 19. He was 86.

In 1946, Osborn came to Penn State as chairman of the Department of Earth Sciences. He was dean of the College of Mineral Industries from 1952 to 1958, and vice president for research from 1958 to 1970. After leaving Penn State in 1970, he went on to serve as director of the United States Bureau of Mines and senior research fellow at Carnegie Institute. He was president of the American Ceramic Society, Geological Society of America, Geophysical Society of America and the Society of Economic Geologists. He was a member of several panels, adviser to congressional committees, published more than 100 scientific articles and received honorary degrees from three universities.

Osborn is survived by his wife, Jean, and his sons, James and Ian.

Research

Study points to co-existence of mammals, dinosaurs

By BARBARA K. KENNEDY
Eberly College of Science

Overwhelming evidence from the latest evolutionary study of gene sequences ever performed shows that the major groups of mammals emerged well before the extinction of the dinosaurs, according to researchers Sudhir Kumar, postdoctoral fellow, and S. Blair Hedges, associate professor of biology.

"The evolution of mammals appears to have occurred gradually by the isolation of breeding groups when the continents broke apart, not suddenly by the rapid filling of ecological niches left vacant when the dinosaurs became extinct," Hedges said. The massive gene study suggests that modern orders of mammals first evolved when the continents were separating during the Cretaceous

era about 100 million years ago — much earlier than some previous estimates based on fossil studies, which link the evolutionary event to mass extinctions 65 million years ago.

"This is the first time we have been able to estimate when all these lifetimes appeared on Earth," Hedges said. "Fossils can't give us this information, partly because there are huge periods of Earth's history from which not enough fossils have been found to make reliable estimates."

The scientists sifted through many thousands of vertebrate gene sequences from hundreds of species to find those that develop mutations at a constant rate over time, which Kumar and Hedges used like the ticking of a molecular clock to trace the history of each species back to its origin.

The researchers found that their molecular clock yielded origin dates similar to those based on

fossil dating for many species, but for others the genetic clues lead back to a much earlier time.

Very few fossils resembling modern mammals or other vertebrates have been found in rocks from the Cretaceous period, said Hedges, partly because paleontologists rarely look for mammals in rocks that old.

"There has not been enough convincing evidence until now for paleontologists to invest their time and money looking for mammal fossils in a time before the dinosaurs became extinct," Hedges said.

Hedges said he hopes paleontologists will now begin searching for mammals in geological strata where they have never looked before.

"We are saying mammals definitely were living on Earth during the Cretaceous period from 70 to 100 million years ago. We don't yet know what they look like, but from the genes of their descendants we now know that they were there."

Fossil find may pinpoint age of humans' ancestor

Newly discovered African fossils could resolve questions over the age and evolution of a species thought to be the most ancient known upright-walking ancestor of humans, according to research to be published today in the journal *Nature*.

The research team includes Meave G. Leakey, curator of paleontology at the National Museums of Kenya; Craig S. Feibel, assistant professor of anthropology at Rutgers University; Ian McDougall, professor of earth sciences at the Australian National University; Carol Ward, assistant professor of anthropology at the University of Missouri; and Alan C. Walker, distinguished professor of anthropology and biology at Penn State.

The researchers, who first named the new species *Australopithecus anamensis* in a paper published in *Nature* in 1995 based on 22 fossils discovered in northern Kenya, now have unearthed 38 additional fossils that paint a more complete picture of the species. Some scientists questioned the antiquity of the fossil bones described in the 1995 paper, because a definite time of origin could not then be measured.

"In 1995 we could not firmly establish the age of the youngest geologic layer associated with these fossils because the best dating technique needs crystals and this particular layer is mostly powdery ash," Walker said. "Since then we have managed to get enough good crystals to determine quite firmly that these fossils are between 4.1 million and 4.2 million years old." "We also have discovered 38 more fossils at this site that clearly show us how very primitive this species was."

According to Walker, the new fossils reveal that the ancient species had primitive jaws shaped more like a chimpanzee's than like a modern human's. It also had other characteristically primitive features known as sexual dimorphism — large differences between the sexes in overall body size and the shape of certain body parts, such as teeth.

Although some scientists believe the human family tree is bushy at its base, with multiple species evolving at the same time, Walker said all the early fossils discovered so far support a more tree-like picture of evolution for hominids — the ancient ancestors on the human family tree.

Pest-control method targets taste buds

By ANDREA ELYSE MESSER
Public Information

Insects are probably more finicky than cats when it comes to their diets, so an insect toxicologist is targeting their taste buds in an effort to protect crops.

Christopher A. Mullin, professor of insect toxicology in the College of Agricultural Sciences, is working with corn rootworm to develop better methods of controlling this insect. Corn rootworm is the primary pest of corn in the United States. While its larva does most of the damage, this occurs underground and it is easier to target the adult beetle.

"Most pesticides are neurotoxins and must make it past all of the insect's defenses before they can effect the central nervous system," said Mullin. "Usually, hundreds of times more pesticide must be applied outside the insect so that a lethal dose can arrive at the proper location inside the insect."

To circumvent this problem, Mullin is looking at insect taste buds because they are a direct connection between the central nervous system and the outside. Insects also are specialty feeders, targeting one or two plant types as their primary food and starving if those plants are unavailable. Taste is very critical to insects.

Mullin does not know what insects perceive as taste, but he does know that chemicals considered sweet-tasting by humans are chemicals that stimulate feeding and, for the most part, chemicals



Christopher A. Mullin, professor of insect toxicology, holds a petri dish containing corn rootworms. He is working on ways to use insects' sense of taste to control them.

Photo: Greg Grieco

that humans consider bitter-tasting put the beetles off their food.

One exception is cucurbitacin, an extremely bitter chemical found in the fruit skins and roots of squashes and other cucurbits, plants in the gourd family. Adult beetles will feed on anything coated with cucurbitacin to the exclusion of other foods. Farmers currently mix ground-up squash rinds with pesticides to get the insects to ingest the pesticides.

"But purified cucurbitacins are too toxic to use and too water soluble to remain on the tiny pollen-like spheres suggested as a delivery method," Mullin said.

Mullin is using three-dimensional chemical modeling to create structural templates of chemicals that stimulate feeding and those that suppress it.

Although chemicals that stimulate feeding behavior can be used to convince insects to consume poisons, Mullin would rather find a chemical that depresses feeding to the point of starvation. Corn rootworm beetles must feed to reproduce.

"While humans have thousands of taste buds, insects generally have four taste buds with four hairs per taste bud, or about 16 neurons," said Mullin. "Corn rootworm beetles have slightly more neurons."

The scientist is looking for a chemical that so overwhelms the taste bud neurons that they shut down, and because there are so few neurons, the insects would be incapable of perceiving their food and starve.

Intercollegiate Athletics

A regular column provided by Intercollegiate Athletics

Hurricanes return

The Nittany Lions' opponent in the 1986 national championship game — the Miami Hurricanes — will return to the Penn State football schedule for the 1999 season. The Nittany Lions will visit Miami in the Orange Bowl on Saturday, Sept. 18, for the first meeting between the two teams since the 1992 season. Miami will appear in Beaver Stadium on Sept. 1, 2001.

Miami is one of two Big East opponents on the 1999 schedule. The other is Pittsburgh. The Panthers are slated for a Sept. 11 visit to Beaver Stadium. The Lions host the University of Akron, a first-time foe from the Mid-American Conference, in the 1999 opener on Sept. 4.

Of the 10 Big Ten schools, Penn State will play home-and-away games in 1999-2000 against every team except Northwestern and Wisconsin, who rotate off the schedule. In addition to the conference opener against Indiana (Sept. 25), Big Ten opponents that will visit Beaver Stadium in 1999 include Ohio State (Oct. 16), Minnesota (Nov. 6) and Michigan (Nov. 13).

For the 1998 schedule, which begins Sept. 5 with a game against Southern Mississippi at Beaver Stadium, go to the Web at <http://www.psu.edu/sports/football/98sched.html>.

Carpoolers

Driver wanted from the Philipsburg area to University Park; hours are 7:45 a.m. to 4:45 p.m. Call Don at 865-0643 or Ken at 865-2534.

Carpooler needed from Philipsburg area to join four riders to University Park and drive once a week. Work hours are Monday-Friday, 8 a.m.-5 p.m. Call Valarie (814) 865-7697 or Cindy at (814) 863-2782.

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Work progressing nicely



Changing the face of campus

Work continues on Pattee/Paterno libraries as crews construct a two-story atrium that will serve as the new circulation area (above). This area was formerly the location of the outside book drop. At right, scaffolding envelops the exterior of the building as brick work continues and masons climb the metal and wood framework to reach the upper levels. The \$26 million renovation and construction project on the University Park campus is about 30 percent complete. When finished, the new Paterno Library will be an extra 100,000-square-foot, multi-story addition to Pattee Library. After completion of the new library, renovation will occur in some sections of West and Central Pattee, where the humanities and arts collections will be housed.

Photos: Greg Grieco



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John H. M.
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Administrative Fellows named

Three new names will be added to the list of those who have served as Administrative Fellows since the program's inception 13 years ago. For the 1998-99 academic year, the Administrative Fellows are:

■ Evelynyn M. Ellis, director of multicultural programs in the College of Arts and Architecture and assistant to the associate dean for continuing and distance education, who will serve under the mentorship of James H. Ryan, vice president for outreach and cooperative extension;

■ Joan M. Lakoski, associate professor of pharmacology and anesthesia in the College of Medicine at The Milton S. Hershey Medical Center, who will work in the office of mentor Rodney Erickson, vice president for research and dean of the Graduate School; and

■ Linda Clark Strauss, assistant director of science technology diversity initiatives in the Eberly College of Science, whose mentor is Gary C. Schultz, vice president for finance and business/treasurer.

The Administrative Fellows Program, developed upon a recommendation from the Commission for Women, provides professional development opportunities for faculty and staff. By serving under the mentorship of a senior-level administrator, fellows receive opportunities to broaden their perspectives and experiences in higher education administration. By serving as fellows, participants can increase their awareness of the complexity of issues facing higher education and participate in the decision-making process.

Ellis, who helps design and implement recruitment and retention activities for minority students

See "Fellows" on page 2

University Park master plan updated

By LISA M. ROSELLINI
Public Information

Planners continue to fine tune the direction development on the University Park campus will take. The process has been guided by heavy input from the community that has asked for improved safety for pedestrians,

better traffic flow and reasonable parking options.

After more than a year of open meetings and conversations on a plan that will map out the physical development of the campus over the next 25 to 30 years, planners say the process should culminate in December of this year with a final report to the Board

of Trustees in the early part of 1999. In the report, planners will outline key principles and design guidelines that will serve as the foundation for improvement and future expansion at University Park.

In two public meetings on May 7,

See "Plan" on page 3



On the road again

President Graham B. Spanier chats with new faculty at the Penn State Conference Center Hotel before the start of the third annual Road Scholars Tour. The tour takes new faculty members to various parts of Pennsylvania to experience first-hand Penn State's wide-ranging impact and influence on the Commonwealth. For more photos of the trip, please see page 9.

Photo: Greg Grieco

Beaver Stadium expansion OK'd

10,000 seats to be added by 2001

To meet the ever-increasing demand for tickets to Penn State football games, the University's Board of Trustees on May 15 approved a major renovation and expansion of Beaver Stadium. The expansion will add nearly 10,000 seats, greatly increase and improve restrooms and concession facilities, improve handicap access and pedestrian circulation patterns, upgrade locker rooms and add new scoreboards with instant-replay capability.

President Graham B. Spanier, noting the many benefits of the expansion, stressed the access that the University will be able to provide to additional fans.

"The football program at Penn State is one of the most popular in the country," said Spanier. "This expansion will allow more fans to get tickets, and it will make going to Beaver Stadium a better experience for everyone, with greatly improved restrooms and concession stands. And the good thing for current fans is that the project will be completely self-supporting and will not take funding away from academic programs."

The cost of the estimated \$84 million project, planned for completion in two construction stages by the 2001 season, will be met by revenue from the lease of skyboxes, club seating receipts, ticket sales from the new seats and other contributions.

"From the board's perspective, the most important things about the renovation are the increased availability of seats to accommodate fans, and a way to fund it that won't draw away other University funds or saddle current ticket

See "Stadium" on page 8

Inside



Plan ahead

A number of construction projects are slated for this summer at University Park. To find out how they may impact you, please see page 12.



Good news for chocolate lovers

Scientists are using cloning technology to increase cocoa plant production. To learn more, please see Focus on Research on page 19.

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Fellows

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in the College of Arts and Architecture, also serves as an adviser to students, faculty, staff and administrators on issues of diversity. She is currently chair of the Council of College Directors of Minority Programs. She has been a member of that group since 1994 and has been chair of the College of Arts and Architecture Diversity Committee since 1994.

In addition, Ellis serves on the University Faculty Senate Standing Subcommittee on General Education; is a member of the University Task Force on the Future of Benefits; the University Staff Focus Committee; and the Advisory Council for the vice provost for educational equity. Within the college, she serves on the Continuing and Distance Education Matrix Team and the Executive Council.

Ellis, who earned her doctorate in education and her master's in music, both from Penn State, is an accomplished clarinet player who began as an instructor at Penn State in 1981. From that position she moved on to become coordinator for recruitment and retention programs in the Office of Student Aid and in 1988 was named coordinator for client services in that office. From 1990-94, she served as academic adviser and instructor in the College of Health and Human Development and in 1997 was named an affiliate assistant professor in the School of Music, where she teaches clarinet technique.

Lakoski, who holds a doctorate in pharmacology from the University of Iowa, Iowa City, came to The Hershey Medical Center in 1993. Her major

research interests involve cellular and molecular regulation of serotonin, a hormone, and its interactions

in the aging process — particularly involving the brain. In the past, Lakoski has received major financial support for her research from agencies such as the National Institutes of Health, Bristol-Myers Co., the Rockefeller Foundation and the National Institute on Aging. She has published extensively in her field and edited *Methods in Cellular and Molecular Neuropharmacology*, a volume in a series published by CRC Press Inc. of Boca Raton, Fla.

A member of numerous national committees, including the National Scientific Advisory Committee of the American Federation of Aging Research, Lakoski also is on the editorial board of the *International Journal of Developmental Neuroscience*. She serves on a variety of University-wide committees, including the advisory board for the Gerontology Center and a program committee of the Life Sciences Consortium.

Lakoski has been named to *Who's Who in Science and Engineering*; and, from 1989-1994, received the Research Career Development Award from the National Institute on Aging. Before coming to Penn State, she was an adjunct member of the Marine Biomedical Institute at the University of Texas from 1988-93 and from 1984-92 served as assistant professor in the Department of Pharmacology and Toxicology. In addition, from 1992-93, she was in the Department of Human Biological Chemistry and

Genetics at the University of Texas Medical Branch in Galveston.

As part of her current responsibilities, Strauss is corporate liaison for funding for the Pennypacker/Buntun-Waller undergraduate student aid programs. She also oversees the programming budget for the Pennypacker Experience and created and maintains a database for the Buntun-Waller program.

Previously, Strauss served as programs coordinator in the Division of Undergraduate Studies for

the College of Education from 1993-95, where she was responsible for supervising the advising center staff and the Multicultural Task Force, and Enrollment Management Team. Before that, she was programs coordinator in the Eberly College of Science, and in 1991 was an adviser in DUS and an intern in the Academic Support Center for Student-Athletes, where she advised and counseled student-athletes on course selection and academic eligibility.

Strauss, also a doctoral student in social psychology at Penn State, has made numerous presentations on various topics related to undergraduate studies, has conducted research on student performance and retention, and is a volunteer for the Pennsylvania Special Olympics and the Centre County Senior Olympic Games.

The 1998-99 Administrative Fellows will begin their duties in their mentors' offices in the fall.



EVELYN M. ELLIS



JOAN M. LAKOSKI



LINDA CLARK STRAUSS

Penn Staters

Beverly A. Cigler, professor of public policy and administration at Penn State Harrisburg, has been elected to serve as a member of the Board of Directors of the American Association for Health Education.

Melisa P. Dixon, senior purchasing agent, Purchasing Services, has earned the status of certified purchasing manager by the National Association of Purchasing Management. Individuals earning this designation demonstrate their professional capabilities by passing four rigorous examinations, pursuing formal and continuing education, and working and contributing to the profession.

Elizabeth Hanley, associate professor of kinesiology, has been invited to conduct the dance workshop at the International Olympic Academy, Ancient Olympia, Greece, in July, by IOC member/IOA president Nikos Filaretos. This year will be the 38th International Session for Young Participants.

A paper co-authored by Effy Oz, associate professor of management science and information systems at Penn State Great Valley, was recently awarded the American Accounting Association's Notable Contribution to the Literature Award. The paper, published in the journal *Decision Sciences*, is titled "A Learning Curve Analysis of Expert Systems Use."

R. Alan Price, professor of English at Penn State Hazleton, was an invited speaker at a special cul-

tural conference at the American Cathedral in Paris. Price's lecture focused on Edith Wharton's relief work in France during World War I.

Donna Queene, associate professor of education, was elected to the board of directors of the University Continuing Education Association, a professional association representing more than 400 institutions and more than 2,000 continuing higher educators in the United States, Canada, Mexico and England. This will be Queene's third term on the board; she previously served 1988-90 and 1995-97.

Calyampudi R. Rao, holder of the Eberly family chair in statistics and director of the Center for Multivariate Analysis, has been elected a foreign member of the Lithuanian Academy of Sciences. Rao was cited for his "highly valuable achievements in the field of mathematical statistics and his support to research institutions of Lithuania." The Lithuanian Academy of Sciences is an advisory body to the government of Lithuania in all fields of science. Members represent all fields of learning and foreign membership is lifelong.

Nitin Samarth, assistant professor of physics, delivered a plenary talk titled "Spin Transport and Localization in a Magnetic Two-dimensional Electron Gas" at the Second International Gordon Conference on Magnetic Nanostructures. He also delivered an invited talk on the same subject at the 1998 meeting of the American Physical Society in Los Angeles.

Alletta Schadler, Lebanon County extension director, has been appointed to the base program strategic team for nutrition, diet and health for the USDA Cooperative Extension System and Robert Thee, extension agent in Lancaster County, was appointed to the system's base program strategic team for family development and resource management.

Jeanne Spicer, manager of programming services at the Population Research Institute, presented her paper "Delivering Geographic Information: For Those Who Can't Read a GMAP and Won't Stop to Ask for Directions" at the Statistical Analysis Software (SAS) Users Group International Conference in March.

Chuck Yeung, assistant professor of physics, gave a presentation, "Surface Instability in a Spinning Bucket of Sand," at the American Physical Society Meeting in Los Angeles.

The International Olympic Committee appointed Vladimir M. Zatsiorsky as editor-in-chief of the volume of The International Olympic Committee Encyclopedia of Sports Medicine titled *Biomechanics in Sport*. Zatsiorsky is professor of kinesiology and director of the Biomechanics Laboratory. The encyclopedia will be published by Blackwell Science Ltd., Oxford, England.

Plan

continued from page 1

Dick Rigerink, a principal with Johnson, Johnson & Roy — the lead consultants hired to update the master plan — said the plan will emphasize the campus' links to the community through its use of green space and pedestrian corridors. The master plan also relies heavily on Penn State's roots as a land-grant institution and its mission to support teaching, research and service as the basis for guiding the campus' physical appearance in the decades to come.

Rigerink said there are three significant components to the plan that look at opportunities and alternatives and help balance construction patterns to preserve the character of the campus. The components include: a composite plan, which identifies opportunities for future development and takes a broad view of development on campus; key principles and design guidelines, that tie into Penn State's overall mission and will serve as the foundation for expanding and improving the campus; and subcampus plans that look at three key areas of the University Park campus in greater detail.

In the composite plan, several refinements since it was first presented last November have been made, among them changes in traffic flow and parking. Overall, the plan calls for more green space and an eventual shift of the academic area eastward (toward the stadium).

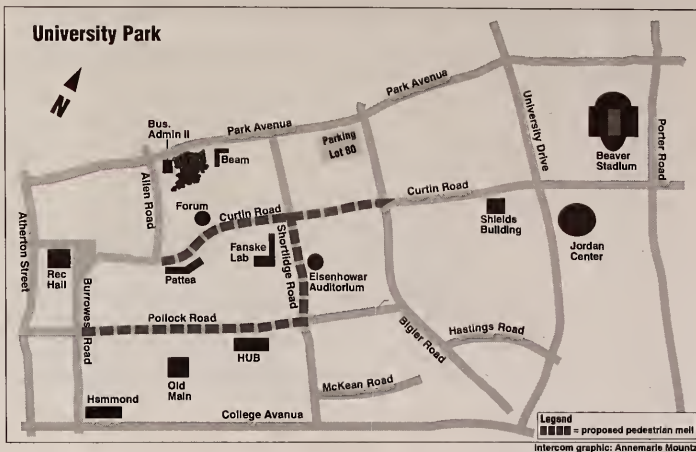
Under the 25-to-30-year plan, consultants suggest closing several roads to vehicles and allowing pedestrians and bicycles to take over those routes. These closings can be phased in over time, as need warrants. One road suggested for closure is Shortridge Road from Pollock to Curtin roads (the stretch of roadway past the Joab Thomas Building and Eisenhower Auditorium to Agricultural Administration).

In a pedestrian traffic study done in late April, consultants found that 23,000 students crossed this section of Shortridge between 7:45 a.m. and 5:30 p.m. At the change of class, between 1,200 and 1,500 pedestrians crossed that area in the 15-minute time period.

"We need to make this a pedestrian-friendly campus and due to the high volume of pedestrians here, this area deserves special treatment," Rigerink said.

One of three major visitor entry points to campus would be at North Atherton and Pollock Road (where the concrete lion gates are), up to Burrows Street. The remainder of Pollock would be closed to traffic. Other entrances to campus would be the intersection of Shortridge Road and College Avenue; and the intersection of Shortridge and Park Avenue.

The planners, who also recommend closing Curtin Road to automo-



Three subcampus areas to be studied in closer detail are:

- the "science block," a 24-acre stretch which contains a number of buildings such as Mueller, Pond, Buckhout and Fenske laboratories
- the 21-acre "ag block," now parking Lot 80; and
- the 18-acre area in and around the Hammond Building.

biles, said access by emergency and service vehicles would not be a problem because drivers of these vehicles can still get to buildings from the remaining roads in the system. The closure of roads will definitely change the traffic patterns in and around campus, something the consultants say is necessary for the safety of students. The consultants are looking at several key intersections that will be impacted by the road closings and their current problems. Among the roads being studied are the crossing of Beaver Avenue and Atherton Street. Problems with congestion here, consultants said, can be solved by removing six curb-side parking spaces along Beaver and creating another turn lane.

At the intersection of North Atherton and Park Avenue, problems can be mitigated by the construction of the Eastern Inner Loop, according to consultants. The inner loop is a plan being discussed by local governments to create a road that would divert traffic around the University and State College. The master plan calls for the inner loop to be further out than University Drive, but to swing back in to intersect with Route 26 (East College Avenue). Under the plan, the loop

would cross the proposed arboretum in the Big Hollow area at the narrowest point to limit the environmental impact.

The intersections of Park Avenue and Shortridge Road and Atherton Street and College Avenue were two other areas where traffic hits a choke point. Consultants suggested that some of these traffic problems would be solved if people took alternative transportation, such as a bus or bicycle. The consultants also said the local transit system needs some additional refinements in order to entice more riders — enticements such as more amenities at stops, improved travel times, possible employer reimbursement and an integrated regional system.

Parking, which is always a hot issue, according to Rigerink, is addressed in the master plan by the possibility of adding parking decks at various sites. The parking deck initially proposed for West Campus (across North Atherton), has been relocated. Instead of a parking deck, that area of West Campus will now house more engineering research buildings. Behind these will be graduate student housing. The parking deck is now

planned for an area near the intersection of Atherton and West College Avenue (between Burrows and Atherton, in the vicinity of Kinko's Copy Center).

"We are recommending a 'just-in-case' concept — certain areas where parking decks can go, just in case," Rigerink said. "We have been operating under the idea that if we remove an existing parking space in the area between Atherton and Bigler, we will replace it."

Rigerink said employees would have to walk no more than 10 minutes from their parking spaces to the buildings where they work. Another parking deck could be placed in Lot 80, off of Bigler Road. The area of Lot 80 also will be designated as green space, allowing it to relate to the arboretum across the street.

The three subcampus areas to be studied in closer detail are: the "science block," a 24-acre stretch which contains a number of buildings such as Mueller, Pond, Buckhout and Fenske laboratories; the 21-acre "ag block," now parking Lot 80; and the 18-acre area in and around the Hammond Building.

Additional campus and community reviews of the master plan will be held in July and December as these subcampus plans are further developed. A final report on the entire plan will be published in both print and electronic media. In addition to JJR, other consultants on the project include KCF/SHG, architects out of Washington, D.C., Travers firm of New Jersey and BRW from Minneapolis, both transportation consulting groups.

From the Trustees Docket

University readies computers for the Year 2000

Penn State should be able to move into the Year 2000 without any major difficulty with its computer systems, the Board of Trustees was told May 15.

"Year 2000 at Penn State can best be described as work in progress," Kenneth Babe, University corporate controller, said. "So far, our assessment is that we are handling the situation well. Of course, there always will be problems in an institution as technologically advanced as Penn State, but we feel those problems that do arise will be small."

Fortune 500 companies have told the Securities and Exchange Commission they anticipate spending \$11 billion dealing with the so-called Year 2000 problem which involves computers that use two digits to identify years, such as 98 for 1998. Without a fix, these computers will not be able to distinguish the century change to 2000 on Jan. 1, 2000.

Babe said Penn State's internal and external auditors have found that the University's central systems for budgeting, finance, human resources, payroll, inventory management, student billing, student services, alumni and fund-raising are under control.

"The managers of these systems started in the late 1980s to use four-digit years as a standard. Although there are a few areas that remain to be corrected, the central systems on a whole are under control."

Internal auditors are more concerned about distributed computer systems that are beyond the scope of central offices.

"In the past decade," Kenneth Blythe, director of the Offices of Administrative Systems (OAS), said, "Penn State has successfully automated most of its routine business, student service, academic and research activities to the point that computers and microcomputers are pervasive in all organizational units of the university. The latest count is that there are 38,000 computers in the Penn State network, each of them with a potential Year 2000 problem."

To address these computers, the auditors recommended that OAS, under Blythe's leadership, serve as Penn State's Year 2000 coordination office. In this capacity, OAS is:

- serving as the focal point for Year 2000 questions.
- increasing awareness of Year 2000 computing issues.
- assessing the impact of the Year 2000 problem on Penn State.
- renovating the remaining central systems that need to be made compliant.
- working with the Purchasing Department to

ensure that new computers and software are Year 2000 compliant.

To assist OAS in its efforts, 48 staff members, appointed as Year 2000 officers in each college, campus and budget unit of the University, are working together to divide the distributed Year 2000 problems into their constituent parts.

"Using modern e-mail conferencing tools, these officers are communicating on a regular basis," Blythe said, "and are addressing Year 2000 concerns in a stepwise fashion from the most critical to the least critical concerns in that order."

Four principal areas of concern identified by Year 2000 officers are (1) mission-critical computers, (2) desktop microcomputers, (3) network servers and (4) embedded systems.

"To date, they have focused on mission-critical computers and corrective action being taken in each case," Blythe said. "While there are quite a number of these mission-critical systems to be addressed, none of them is of sufficient magnitude to raise alarms."

"It is a tribute to the managers of each of these systems that they have plans, have identified funds and are on the trail to remediating each of these systems before Jan. 1, 2000."

Students will soon be able to register for classes online

By ALAN JANESCH
Public Information

Since fall 1997, Penn State students have used CAAIS, the University's online advising and information service, for hundreds of thousands of transactions that otherwise would have required them to phone or visit their advisers, write a letter or pay a visit to Shields Building. Long after regular business hours, they've used CAAIS to do things like find out how many more credits they need to graduate, look at course descriptions and class schedules for the coming semester, check their cumulative grade-point averages, and change their home address information.

CAAIS—pronounced "kaz" by the University-wide project team that put the service together—stands for Comprehensive Academic Advising and Information System. It's a highly reliable, one-stop source of information, available via the World Wide Web, that's key to good advising and education planning.

University Registrar J. James Wager told the Board of Trustees that more than 600 students a day, on the average, tap into CAAIS.

"We have developed CAAIS around a vision of providing service to currently enrolled students as well as future students who are likely to arrive with an even higher degree of information technology expectations," Wager said.

"We also have developed CAAIS around a vision of using technology to supplement the advising process. One CAAIS keystone is that it has been built around the expertise of many of Penn State's best academic advisers."

One of the most useful parts of CAAIS is its interactive advising module, which allows students to check key academic records, calculate their grade-point averages and examine the implications of their grades, and determine what kind of semester average they'll need to earn to get a cumulative grade-point average at a certain level. First-year students



Check the Web

Log in to the CAAIS Web site at <http://caais.psu.edu/>.

can use interactive advising to get early results of freshman testing, see what courses they've tested out of and make an early decision on what to schedule for their first semester at Penn State.

Starting June 1, Wager said, students will be able to register for courses online, using the OASIS component of CAAIS, which allows students to view their own records—for information on class schedules, grades, unofficial transcripts, loan status and other financial information. Features allowing registration and academic withdrawal will be released soon, and work is progressing on features that will allow students to choose a major and faculty to submit their end-of-semester grades.

In addition to OASIS, which stands for Open Access to Student Information Systems, CAAIS includes the following subsystems:

- academic and advising references, which provide links to sources of information in areas such as advising procedures, University programs and courses, career assistance, continuing and distance education, administrative offices, and policies and rules;
- faculty services, which enables faculty members to receive their class lists through CAAIS;
- an advisers services module, which provides pertinent information on students' academic activities and achievements to advisers only; and
- an index, which provides links to a CAAIS list of topics and includes keyword search engines for CAAIS topics and a broader range of Penn State topics.

CAAIS works by accessing and displaying data from ISIS, the Integrated Student Information System. Security and confidentiality are given a high priority. Students can access the information only by entering a valid user ID and password, and the information is displayed on the screen without displaying any names—in case the students are using CAAIS in a computer lab or other public space where others could be looking over their shoulders.

The system warns students to exit CAAIS and close the World Wide Web browser before leaving the computer. But even if students leave their information displayed on the screen, inquisitive passers-by won't be able to link the information with a particular student, since names or identifying numbers are not displayed.

Wager said his office views CAAIS as a process for continually improving service and information and is working continually to expand and improve the system.

"In this sense, the CAAIS project may never really end," he said.

From the Trustees Docket

Campuses have projects approved

Preliminary plans for additions and renovations to Lares Building, a student center at Penn State Abington, were approved by the Board of Trustees on May 15, as designed by Highland Associates of Clarks Summit.

Lares Building, originally constructed in 1923 with an addition in 1966, will be expanded by 14,000 square-feet and renovated to improve circulation and increase student activities space. It will also increase food service and bookstore spaces and improve access for people with disabilities. The design will unify the exteriors of the original Lares Building and the 1966 addition. The total budget for the project is \$5.13 million.

In the first phase of the project, the space between the two wings of Lares will be filled in using a stone exterior. This phase includes the creation of a lower lobby; bookstore facilities relocated from the first floor with a separate entrance; and second floor offices and conference room. Phase two will include a lower portico entry to a multi-purpose room, study space and the bookstore as well as a terrace above it open to a dining room addition.

The board also approved the purchase of several properties near Penn



On the schedule

Lares Building, a student center at Penn State Abington, will be renovated and will gain a 14,000-square-foot addition.

State campuses to either allow for campus expansion or to eliminate the possibility of adverse nearby or adjacent development. Approved were the purchase of the Deplachett property near Penn State Erie; the Miller prop-

erty commonly known as the "DuBois property" adjacent to Penn State DuBois; and the Keystone Financial Trust property in Carlisle for long-term needs at The Dickinson School of Law (see story below).

School of Languages and Literatures created

The Board of Trustees on May 15 approved a proposal to create a School of Languages and Literatures in the College of the Liberal Arts. The purpose of the new school is to promote and facilitate the study of foreign and second languages and literatures.

Susan Welch, dean of the college, said the new school "will promote innovation and interdepartmental collaboration in language and literature teaching and research, and will house a graduate minor in second language acquisition. It also will provide an administrative and academic home for any new languages that we might

decide to offer but which might not fit within the missions of existing language departments."

The new school will "serve as a point of innovation, cooperation and interchange among all the language and literature units, whether they're inside or outside of the school," Welch said. "In addition, it will facilitate conferences, symposia and speakers series, coordinate collaborative grant proposals, house visiting scholars and help to promote interdisciplinary education abroad programs that center on language and literature."

Included in the new school will be the Department of Comparative

Literature; the Department of Germanic and Slavic Languages; the linguistics program; the Center for Second Language Acquisition, which focuses on technology-assisted learning of second and foreign languages; and the Max Kade German-American Research Institute, a center for studying German immigration to America and how German immigrant life and culture have blended into the social and cultural fabric of the United States.

The creation of the new school will become effective July 1. The school's director will be named and announced around June 1.

Dickinson property purchase gains approval

The Board of Trustees on May 15 authorized The Dickinson School of Law to purchase a Carlisle property for \$1.5 million to use for library storage and administrative functions.

The property at 310 Allen Road, Carlisle, houses the former Financial Trust Corp. operations center. It includes an 18,980-square-foot main administrative office complex and a 10,000-square-foot storage warehouse, together located on almost 11 acres on the western edge of Carlisle

Borough, near Exit 12 of Interstate 81.

Law school officials said there are no plans to increase enrollment at the 164-year-old institution, but rather to use the facility for library storage and administrative and student offices.

Law school Dean Peter Glenn said the purchase is subject to certain conditions related to environmental and zoning issues. The purchase, however, said Glenn, affirms the law school's commitment to Carlisle following its affiliation with

Penn State last July and allows the school to acquire much-needed space without disrupting the residential neighborhood in which it is located.

"We have long felt the need to find additional space for library and other storage and for administrative and student functions," said Glenn. "The Allen Road property is ideal, particularly the warehouse, which will provide a convenient, climate controlled storage facility for infrequently used parts of our library collection."

Trustees OK honorary doctorates

The Board of Trustees on May 15 approved the granting of the honorary doctorate of humane letters to legal historian John Hope Franklin and the honorary doctorate of science to Nobel Laureate physicist Leon M. Lederman at the December 1998 commencement ceremonies.

John Hope Franklin is the James B. Duke professor emeritus of history and professor of legal history in the Duke University Law School. Among his publications are *The Emancipation Proclamation*; *The Militant South*; *The Free Negro in North Carolina*; *Reconstruction After the Civil War*; *A Southern Odyssey: Travelers in the Ante-bellum North*; and perhaps his best known work, *From Slavery to Freedom: A History of African-Americans*, now in its seventh edition. His most recent book is *My Life and an Era: The Autobiography of Buck Colbert Franklin*, who was his father, and in progress is *Disidents on the Plantation: Runaway Slaves*.

A graduate of Fisk University, he received M.A. and Ph.D. degrees in history from Harvard University and has taught at Fisk University, St. Augustine's College, North Carolina Central University, Howard University and was chairman of the Department of History at Brooklyn College and the University of Chicago.

Leon Max Lederman, director emeritus of Fermilab, belongs to the small group of theoretical and experimental physicists who revolutionized our understanding of the subatomic world. He participated in the discovery of the K-meson particle and the non-conservation of parity during muon decay and, with Melvin Schwartz and Jack Steinberger, received the Nobel Prize in Physics in 1988 for the identification of the muon neutrino. The design of ever-more powerful accelerators enabled them to find the first antimatter particle in 1965 and the bottom quark in 1977. The top quark was discovered at Fermilab in 1994.

Lederman won the National Medal for Science in 1965 and the Wolf Prize in Physics in 1983. He received a B.S. in chemistry from City College of New York and a master's degree and Ph.D. in physics from Columbia University, where he joined the faculty and remained for nearly 30 years.

From the Trustees Docket

University Libraries gets OK to alter organizational structure

By ALAN JANESCH
Public Information

The Board of Trustees on May 15 approved a new organizational structure for the University Libraries that will align units for better coordination and delivery of services.

The new structure is geographical rather than functional, placing University Park libraries under an associate dean for University Park libraries and libraries at other locations under an associate dean for campus college libraries.

"The new organizational structure reflects the growing importance of libraries at Penn State campuses across the state and the growing need for information services since the launching of Penn State's World Campus and growing interest in distance education initiatives," said Nancy L. Eaton, dean of University Libraries. "It also recognizes the increasingly integrated nature of services and operations across the University Park libraries."

The World Campus, launched in January with two online courses, is an educational institution with no walls, where learning is accomplished via the Internet and other new information technologies. As envisioned by University leaders, it is a distinctive outreach campus of the University that will eventually offer a broad spectrum of educational activities beyond the existing Penn State system.

Currently under construction at the University Park campus and slated for completion by fall 1999 is the Paterno Library, which will significantly increase the size of University Park's main Pattee Library. The project also includes renovation of existing space. The five-story expansion will add 110,000 square feet of floor space to the 130,000 square feet that already exists in the west, central and east wings of Pattee.

When completed, the new Pattee and Paterno Libraries will include subject libraries with specialized holdings in life sciences, humanities, arts, social sciences, business and education, a new library for special collections, and state-of-the-art information retrieval and telecommunications technologies.



Inside and out

Work is progressing on the physical changes to Pattee Library on the University Park campus. In addition, the Libraries are undergoing organizational changes that promise to improve service.

Photo: Greg Gricio

No new administrative positions will be created to implement the libraries' new organizational structure. Under the reorganization, library-wide offices such as public relations, human resources, facilities, and development will report directly to Eaton. The positions of associate dean for University Park libraries and associate dean for campus college libraries are reconfigurations of existing positions. A third existing position will be reconfigured as assistant dean for technical and access services.

The reorganization also will help the University libraries system carry out its growing role in instruction, Eaton said.

Specifically, the report recommends:

- New educational opportunities leading to associate, baccalaureate and graduate degrees, as well as minors and certificates;
- Interdisciplinary approaches that capitalize on University strengths at all locations;
- A fundamental academic core that stresses analytical and problem-solving abilities, and builds strong communication, teamwork and project management skills;
- Leading-edge research and outreach programs, including distance education and the World Campus;
- Strategic partnerships with industry and government; and
- Positive impacts on economic and workforce development.

A special committee of the Faculty Senate will review the full report over the summer, and is expected to bring the proposal before the full Faculty Senate in the fall.

Greek Life initiatives on variety of topics outlined before board

The Office of Greek and Community Life is exploring a number of new initiatives in an effort to counteract declining fraternity and sorority membership and the problem of alcohol use and abuse, the Board of Trustees was told on May 15.

A report on the status of the University's 61 fraternities and 25 sororities — the largest number of chapters at any university in the country — was presented by Andrea Gaspardino, director of Greek and Community Life, and Brad Nestico, president of the Interfraternity Council and brother of Pi Kappa Alpha fraternity.

New programs instituted at the University include "Our Chapter, Our Choice," a peer-facilitated program that addresses the norms of a chapter in terms of alcohol use and abuse, and "Greeks Advocating the Mature Management of Alcohol."

"There has been a steady decline in membership in Greek organizations over the last seven years, both nationally and at Penn State," Gaspardino said. "Many students today don't join any club or organization since their main goal is to do better academically in an effort to get a better job. There also is a financial concern."

"Another major factor is the negative publicity and information about hazing and alcohol abuse in Greek organizations, part of which is true. As a result, it may not be attractive for some students to join."

To counteract that trend, she said the Office of Greek and Community Life is encouraging movement toward a national trend of more value-based education.

"We're also moving toward a substance-free recruitment period that we hope will help increase membership. And we're planning to develop a social policy that will be more consistent with the individual chapter policies and help reduce risk."

At Penn State, the Office of Greek and Community Life is responsible for advising three major councils: Interfraternity Council, Panhellenic Council and the National Pan-Hellenic Council. It is working closely with the newly-formed Greek Alumni Interest Group and also provides advising for a number of special annual events, including Homecoming, Spring Week and Greek Week, the Dance Marathon, and Ebony and Ivory Week.

Another trend cited by Gaspardino was the continued involvement of Greek organization members in community and philanthropic projects. She noted that a community service project, participation in the Red Ribbon Walk, was added to this year's Spring Week activities, and that the annual IFC/Panhellenic Dance Marathon, which raised more than \$2 million this year, will move in 1999 to Recreation Building on the University Park campus.

"I have faith and confidence that the Greek community will see the value and merits of the new initiatives we have undertaken," she said. "We recognize that we have problems, but I know that members of the Greek community are willing to confront them."

Report released on proposed technology school

If the University were to form a School of Information Sciences and Technology, Penn State would quickly be positioned as a national leader in integrating information sciences and technology into the curriculum. That was the finding of a 14-member strategic planning group, commissioned last December by President Graham B. Spanier.

"The school will integrate studies in information science and technology with core competencies in management, communications and other fields," Spanier said to the Board of Trustees on May 15. "This will expand and strengthen the number of technology graduates at Penn State, as well as increase the technology skills of students in every field."

In addition to providing a high-quality education to students, the University always has been concerned with the competitiveness of Pennsylvania's workforce, Spanier said. The degree programs which would be launched at all of the University's undergraduate locations through this school are good examples of that commitment.

From the Trustees Docket

Center routinely aids students in distress

By KAREN L. WAGNER
Public Information

The Center for Counseling and Psychological Services — better known as CAPS — provides a wide variety of counseling services, from facing a crisis to coping with day-to-day stress. The Board of Trustees got an update on CAPS at its May 15 meeting on the University Park campus.

In a typical academic year, CAPS serves nearly 2,000 students, offering individual counseling, psychological and psychiatric evaluations. Individual and group therapy address topics such as alcohol abuse, sexual assault, eating disorders, diversity issues, test anxiety and depression. CAPS also offers consulting services to colleges and departments at all Penn State locations.

While most students cope successfully with the demands of college life, for some, the pressures can be overwhelming and unmanageable. Students may feel alone, isolated, helpless and even hopeless — feelings that can disrupt academic performance and result in harmful behaviors such as substance abuse and suicide attempts. Even students who do not feel overwhelmed will benefit from CAPS programs, including its Personal Issues Series, covering topics such as roommate problems, homesickness and coping with loss.

"Our role is to aid students in adjusting to college and life circumstances in general," said Dennis Heitzmann, director of the Center for Counseling and Psychological Services. "We make that transition more comfortable, and help restore a sense of order."

"Our role is to aid students in adjusting to college life and life circumstances in general. We make that transition more comfortable and help restore a sense of order."

Dennis Heitzmann, director of CAPS

Restoring order in the midst of crisis aptly describes the role CAPS played in the aftermath of the shooting on Penn State's HUB lawn during the fall semester of 1996. CAPS staff contributed to the Student Affairs crisis team, monitoring and offering counseling to students. In the six weeks following the crisis, counseling sessions increased by 81 percent.

On a day-to-day basis, the CAPS staff helps faculty and staff detect student distress — before it becomes a crisis. At the beginning of the 1997 fall semester, the CAPS brochure, *Students in Distress: A Guide for Faculty and Staff*, was mailed to all faculty and staff at the University Park campus. Faculty and staff members who have frequent contact with students are in a unique position to spot the warning signs. Among those signs:

- a marked change in academic performance or behavior;

- unusual behavior or appearance; and
- references to suicide, homicide or death.

The CAPS staff recommends that faculty and staff talk with students in private, when they suspect that the student is having personal problems. They should listen with sensitivity and avoid criticism, while maintaining the professional nature of the faculty/student, staff/student relationship. The goal for faculty and staff is not to solve the problem for the student, but to help them understand their options and give them help.

The brochure emphasizes that when referring a student for professional help or counseling, it's important to remind them that help is available, and that seeking help is a sign of strength and courage, rather than a sign of weakness.

"It may be helpful to point out that seeking professional help for other problems — medical, legal, financial, etc. — is considered good judgment and an appropriate use of resources," said Heitzmann.

Faculty and staff can refer students to CAPS or other campus and community organizations. CAPS is open Monday through Friday from 8 a.m. to 5 p.m. After hours and on weekends, students in crisis are advised to call the Centre County CAN HELP crisis line at (800) 643-5432.

"At CAPS, for one hour per week, students can have an adult figure's undivided attention," said Heitzmann. "It is a confidential, protected and comfortable place, where students can explore serious concerns and private matters."

Changes approved for undergraduate, graduate programs

The Board of Trustees agreed to the following program changes at their recent meeting on Friday, May 15. For more information on the changes and more in-depth reasons for the changes, see the Web at: <http://www.psu.edu/ur/INTERCOM/programs.htm>.

Undergraduate Programs

- College of Earth and Mineral Sciences: New minor in geographic information science

- Penn State Erie: New major in general business

This associate degree major is designed to make the School of Business programs more accessible to non-traditional students and provide the basis for formal articulation agreements with high schools in the region. In addition, the program is specifically designed as a foundation for four-year majors in the School of Business.

Graduate Programs

- College of Communications: Change in Ph.D. degree program in mass communications

Change from intercollege program status to a program in the College of Communications, fully administered by the college.

- College of Engineering: New program for integrated bachelor's and master's degree

A proposal to offer the integrated bachelor of architectural engineering and master of architectural engineering degrees in architectural engineering. By combining the bachelor's and master's degrees, graduates will possess the credentials that properly reflect their ability to compete with graduates of other institutions.

- College of Engineering: New minor in high-performance computing

- Penn State Great Valley: New program to offer MBA

Program options include business administration and health care administration. The MBA program is geared toward the needs of part-time students who are employed full-time.

- Penn State Great Valley: New program to offer master's degree in environmental pollution control

An intercollege graduate program designed for students with backgrounds in science or engineering who want to obtain proficiency in a specific area of environmental pollution control. The program is currently offered at University Park and Penn State Harrisburg.

- Penn State Great Valley: New program to offer master's degree in systems engineering

Will meet an expressed need for innovative design and practice-oriented graduate program among technical professionals in the Delaware Valley area.

- Penn State Harrisburg: Change in the requirements for MBA program

The change in the MBA program maintains the program content but "externalizes" an 18-credit package of preparatory courses which serves as prerequisite to the proposed 30-credit curriculum. This is a change from the current program which requires 48-credit hours for all students to a 30-credit hour program.

- Eberly College of Science: New option added to graduate program in mathematics

An option in logic and foundations has been added to the graduate program in math. Typical candidates for the option would be students with a strong undergraduate mathematics background, who are interested in mathematical logic and foundations of mathematics. The resources needed to offer the option are already in place.

Interim maintenance, operating budget gains acceptance

The Board of Trustees on May 15 approved an interim maintenance and operating budget for the fiscal year beginning July 1. It was approved at the same level as the 1997-98 total operating budget of \$1,412,620 for all divisions, including the College of Medicine at The Milton S. Eisenhower Medical Center

and all auxiliary enterprises.

"The University adopts an interim budget so that it has an approved fiscal operating plan from July 1 until the new 1998-99 budget is approved at the July Board of Trustees meeting," said Gary Schultz, senior vice president for finance and business/trea-

surer. The final 1998-99 total operating budget will be submitted for approval at the July 9-10 Board of Trustees meeting at Penn State Erie.

The board took no action on changes in tuition, salaries and wages, employee benefits or other necessary expense increases.

From the Trustees Docket

Stadium

continued from page 1

holders with increased costs," said Board of Trustees Chairman Ted Junker. "The popularity of Penn State football just continues to grow, and we want to be sure we can accommodate as many future fans as possible."

The proposed expansion includes the addition of a second tier in the south end zone that parallels the north addition of 1991, but which includes all chairback seats. It will provide approximately 6,000 general seats and an estimated 4,000 club seats. The construction also includes a minimum of 58 enclosed skyboxes in a three-level pavilion behind the east stands.

Revenue from the lease of the skyboxes and the club seats will substantially underwrite the cost of the general seating, as well as the overall amenities, including restrooms, concession stands and circulation patterns. The skyboxes will be able to accommodate up to 16 people each, and will be similar to boxes at other collegiate stadiums around the country. In addition to chairback seats, the club level will offer protection from the weather for many seats and access to a club/lounge area with panoramic views of Mount Nittany and beverage and food service.

The expansion will bring the stadium's seating capacity to approximately 103,500. This will make Beaver Stadium the second largest collegiate stadium behind The University of Michigan, which is expanding to 107,000 seats.

"This is an important commitment on the part of the University to the future of Penn State football," said head Coach Joe Paterno. "We have the



Artist's rendition

The proposed expansion of Beaver Stadium would add nearly 10,000 new seats, including 1,000 additional seats for students, and renovate the press box.

best fans in the country, and now even more of them will be able to get in and see the games in person."

Students will have priority for one thousand additional tickets. Priority for the remainder of the newly available seats will be based upon Nittany Lion Club points, said Tim Curley, director of intercollegiate athletics.

"Fans who are interested in signing up can call the telemarketing office at (800) 863-3336 to be put on the list for consideration," Curley said. "Those who are interested in either club seating or skyboxes will need to let us know by Nov. 1, and Nittany Lion Club members will have until July 1999 to increase their point value, which is when we will assign priorities for the new seats."

Ticket demand in the past has resulted in a sold-out house for 118 of the last 119 games. (The one not sold-out in that string was the 1991 Cincin-

nati game, the first after the most recent expansion, when tickets were held back until the last minute to be certain the addition would be ready in time for the opening of the season.) Over the last five years, there has been a 97 percent season ticket renewal rate. Last year, only 4,000 single-game tickets were available for the six home games, and 2,400 of those were single tickets scattered throughout the stadium. Those tickets sold out in 2.5 hours.

In addition to the new seats, the renovation of the south end of the stadium will include a 28,000-square-foot restaurant/lounge called the Mount Nittany Lounge, which will offer a pre-game, halftime and postgame gathering area where fans who have purchased tickets in the club-level seats can enjoy light snacks and beverages. The club also will be available to the University community throughout the year for special gatherings and

Architect chosen

The Board of Trustees on May 15 appointed HOK Sport/John Haas of Kansas City and State College to be architects for Beaver Stadium renovations and expansion. The group was a among four design teams considered by the board's Architect/Engineering Selection Committee.

The project includes the addition of about 10,000 seats, greatly increased and improved restroom and concession facilities, improved access for the physically challenged and pedestrian circulation patterns, upgraded locker rooms and the addition of new scoreboards with instant-replay capability. These improvements are based in part on recommendations from an athletic facilities master plan and needs assessment conducted by HOK Sport and a market study conducted by Coopers and Lybrand.

The project will start next year and is expected to be complete before the 2001 football season.

functions on non-football Saturdays.

The view of Mount Nittany that some fans previously enjoyed will be available in an expansive panorama from the Mount Nittany Lounge, which also will feature pictures and historical displays on the landmark mountain. While fewer than 30 percent of current seats can see the mountain, it holds a special significance for many Nittany Lion fans, and the theme of the Mount Nittany Lounge will serve to honor that tradition.

The renovation project is expected to be completed before the 2001 football season.

Newly elected trustees ready to serve three-year terms

By KAREN I. WAGNER
Public Information

Penn State alumni and delegates of agricultural and industrial societies elected two new members and re-elected five incumbents to serve on the Board of Trustees in elections held Thursday, May 14, at the University Park campus. All will serve a three-year term beginning July 1.

Joining the board as new members elected by the alumni are Steve A. Carban and Dr. Paul V. Suhey. Carban is a 1959 graduate and senior vice president of finance and operations/treasurer emeritus of Penn State. Suhey is a 1979 graduate and an orthopedic surgeon now practicing in State College.

Re-elected to the board by the alumni is Barry K. Robinson. Robinson is a 1967 graduate and vice president and deputy general counsel for the Recording Industry Association of America, Inc.

Re-elected by the agriculture society delegates are Roger A. Madigan

and Boyd E. Wolff. Madigan, a 1951 graduate, is a state senator representing the 23rd senatorial district. Wolff is a 1953 graduate and member of the Pennsylvania Ethics Commission, and is the former secretary of the Pennsylvania Department of Agriculture.

Re-elected by the industrial society delegates are Edward P. Junker III and L.J. Rowell Jr. Junker is a 1960 graduate and retired vice chairman of PNC Bank Corp. Rowell, a 1955 graduate of Penn State, is retired chairman of the board and chief executive officer of Provident Mutual Life.

Carban is a director of Metropolitan Life Series Fund in New York and State Street Research and Management Mutual Funds in Boston. He was an officer of the University for 22 of his 33 years at Penn State; 10 years as controller and 12 years as senior vice president and treasurer.

Suhey was chief of orthopedics and director of sports medicine at Riverside Hospital and vice chairman of orthopedics at St. Vincent's Medical Center in Jacksonville, Fla. He co-

founded the Atlantic Orthopedic and Sports Medicine Center and was clinical assistant professor at the University of North Florida.

Robinson served as senior counsel for international investment and trade in the U.S. Department of Commerce before joining the Recording Industry Association of America. In 1987 he received the Department of Commerce's Silver Medal Award in recognition of his work on the United States-Canada Free Trade Agreement.

Madigan served as state representative in the General Assembly from the 110th district until 1984 when he was elected a state senator representing the 23rd senatorial district. He serves as chairman of the Senate Agriculture and Rural Affairs Committee and vice chairman of the Senate Local Government Committee.

Wolff served the Commonwealth of Pennsylvania as secretary of agriculture from 1987 to 1995. He has received numerous awards from agricultural organizations throughout Pennsylvania. He has served as a

VOCA volunteer in Venezuela and Russia.

Junker joined Marine Bank in 1964 and rose through numerous management positions before being named an executive vice president in 1972. He was elected president in 1974 and chief executive officer in 1983. In 1984, Marine Bank merged into PNC Bank. He was elected chairman and CEO of PNC Bank Northwest PA and vice chairman of PNC Bank Corp. Junker continues to represent the bank externally since his retirement in March of 1997. He was elected vice president of Penn State's Board of Trustees in January 1996 and president in 1998.

Rowell was a captain in the U.S. Marine Corps and served on active duty from 1955 to 1957. He is retired chairman of the board, president and CEO of Provident Mutual Life. He serves on the boards of directors of the Southeast Pennsylvania Chapter of the American Red Cross, the PMA Group, the American College and the Foundation at Paoli.

ROAD SCHOLARS TOUR NORTHWESTERN PENNSYLVANIA

As part of President Graham B. Spanier's annual Road Scholars Tour of the state, about 80 passengers boarded two buses on May 10 for a three-day jaunt through Northwestern Pennsylvania, where they took in a variety of sites. Here is a brief snapshot archive of some of the stops on the tour, which is now in its third year.



Pre-trip briefing

Carolyn M. Todd, marketing instructor, listens to information about Pennsylvania and checks her map to see where the tour stops will be, during a morning briefing at the Penn Stater Conference Center Hotel before the group boards the bus to start the tour.

Photo: Greg Grieco



Mapping the group

Tour-goers participated in an exercise at the Penn Stater Conference Center Hotel on the University Park campus before beginning their tour. An outline of Pennsylvania was made with a rope, and participants stood on the "map" to show where they were from. Anyone who was not from Pennsylvania stood outside the outline in the appropriate geographic location.

Photo: Greg Grieco



Hard-hat area

One of the stops on the tour was a saw mill, where tour-goers donned hard hats for safety.



Guided tour

President Graham B. Spanier, right, and John Lilley, provost and dean of Penn State Erie, joined new faculty on the tour. At this stop, a guide explains operations at the General Electric Transportation Systems Co., a worldwide supplier of surface transportation systems.



Back on the bus

After spending the night in the residence halls at Penn State Erie, tour-goers boarded the bus to resume their tour.



Passing the time

While on the bus, many tour-goers got to know their fellow passengers a little better. There were about 80 people on the tour, filling two buses. The three-day, two-night tour made stops at Penn State Erie; Penn State DuBois; the Forest Cathedral tree stand and Longfellow Trail in Cook Forest; Drake Well State Park and Museum and General Electric Transportation Systems Co., both in Titusville; Welch's Production Center and the Lake Erie Regional Grape Research and Extension Center; Port Erie Plastics; Presque Isle State Park; Allegheny National Forest; Kane Hardwoods; and Windfall Products in St. Marvs.

ARTS & ENTERTAINMENT

AT PENN STATE



On stage

Clint Black will appear at The Bryce Jordan Center on the University Park campus for a 7:30 p.m. concert on Thursday, May 28. Tickets are \$24.50 and \$21.50. For tickets, call (814) 865-5555 locally or toll-free at (800) 863-3336.

Legends of New Orleans

The Legends of New Orleans, featuring Pete Fountain, The Dukes of Dixieland and Preservation Hall jazz band, will return to the Community Arts Center in Williamsport, part of Penn College, on Thursday, Aug. 6.

The Legends of New Orleans, typically found only at outdoor fairs and rarely seen in a theatre setting, will give one performance only at 7:30 p.m. Tickets are \$35, \$27.50, \$24.50 and \$20.50. For more information, call the center at (717) 326-2424 or the NAC Omni line at (800) 432-9382.



BRYCE JORDAN CENTER

WWF returns

The World Wrestling Federation (WWF) makes an unprecedented return to The Bryce Jordan Center at 7:30 p.m. Tuesday, June 30. Tickets are \$22.50, \$17 and \$13 for reserved seating.

More than 40 WWF superstars will appear at The Bryce Jordan Center for three hours of non-stop action. This event will be broadcast nationwide live from University Park on USA Network.

Back by popular demand, Raw is War makes a second live appearance in the same arena—a rarity in the WWF. Scheduled to appear are: WWF Champion Stone Cold Steve Austin, the Undertaker, Kane, Legion of Doom, Dude Love, Ahmed Johnson, D.O.A., N.O.D., Ken Shamrock, Shawn Michaels, Hunter Hearst Hemsley and many more.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

University Park parking news

Now that warmer weather is here, we tend to leave our windowns down (or "cracked a bit"), sunroofs open and convertible tops down. As a result, there is a rise in parking permit thefts.

The Parking Office asks motorists to keep windows up and doors locked. A \$15 processing fee is assessed for lost or stolen parking permits. In the event your permit is lost or stolen, call the Parking Office immediately at (814) 865-1436, or your parking chairperson for instructions.

Summer hours

Summer hours of operation for the Parking Office will be 8 a.m. to 5 p.m. Monday through Friday. These hours will be in effect through Friday, Aug. 21.

New meters

To meet the needs of those conducting short-term University business in the core areas of campus, the Parking Office is installing red 40-minute meters in the following locations:

- Carnegie Building: The area southwest of Carnegie is being redesigned to increase the number of meters.

- Visitor lot north of Walker Building: Three additional meters have been installed in the northeast corner of this lot. People using these meters must display a current faculty/staff or student parking permit and have time showing on the meter, or the vehicle will be subject to ticketing.

Reminder

The University parking policy requires that all vehicles parked on the University Park campus be registered with the Parking Office. For more information, call (814) 865-1436.

Lecture

Videoconference set for May 29

Area residents will join key business leaders and government officials at the Congressional Small Business Videoconference on Friday, May 29, at Penn College. The conference will focus on issues including taxes, health care, legal reform and regulatory reform and will be broadcast from 9-11 a.m. The Congressional Small Business Videoconference is a free broadcast open to the public.

The National Federation of Independent Business presents the videoconference. The workshop is delivered via satellite by the National Center of Nonprofit Boards, a national organization that works to provide ideas, information and resources to foster effective nonprofit governance.

Registration before May 22 is required. Register by calling A Plus Registration Service at (800) 344-8888.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Tuesday, May 26
Yanni, 8 p.m., The Bryce Jordan Center.
Thursday, May 28
Clint Black with Trace Atkins and The Kinleys, 7:30 p.m., The Bryce Jordan Center.

SEMINARS

Friday, May 22
Dalway J. Swaine on "Future Aspects of Trace Elements in Coal," 10 a.m., Coal Utilization Laboratory.

CONFERENCES

Friday, May 22
Pennsylvania Junior Classical League, residence halls, through May 24.
Keystone Insurers Group Inc., The Penn Slater.
Trollinger Consulting Company Seminar, The Penn Slater.
Tuesday, May 26
Better Kid Care Program, The Nittany Lion Inn, through May 28.
Chocolate and Compound Coatings Workshop, The Nittany Lion Inn, through May 29.
Wednesday, May 27
Independent Insurance Agents of Pa., The Nittany Lion Inn.
Pa. Special Olympics, The Penn Slater.

Supervisor Training Course, The Penn Slater.
Thursday, May 28
Health Policy Administrators Workshop, The Penn Slater, through May 29.
Semiconductor Industry Workshop, The Penn Slater.
Friday, May 29
American Regions Math League, residence halls, through May 30.
Pa. Newspaper Publishers Association, The Penn Slater, through May 30.
Saturday, May 30
Pennsylvania Society of Architects, The Nittany Lion Inn.
Sunday, May 31
H.J. Heinz Safety Conference, The Penn Slater, through June 5.
OSHA '98, The Penn Slater, through June 5.

EXHIBITS

Palmer Museum of Art
"Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.
"American Printmakers, 1920 to 1945," through June 14.
Zoller Gallery
"Crafts National '92," an annual juried crafts exhibition, May 31 through July 19.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

Faculty/Staff Alerts

Library photocopy closes

The photocopy center in Pattee Library on the University Park campus operated by Document Services, Office of Business Services, closed May 15 due to lack of business. The center, in West Pattee adjacent to the Periodicals Room, has operated at an increasing deficit over the last two years.

The coin-operated photocopy machines throughout the Libraries will not be affected by this closing.

Holiday announcements

The University will observe the Memorial Day holiday on Monday, May 25. There will be no classes that day.

Independence Day will be observed on Saturday, July 4. Friday, July 3 will not be a University holiday, however, classes will not be held July 3.

University policies provide that if a University holiday falls on an employee's regularly scheduled day off, the employee receives another day off with pay to be used at another time. So employees who normally do not work Saturdays will receive a compensatory day for the Independence Day holiday.

Questions about the above holiday schedule information should be directed to appropriate college or department human resources representatives, or business officers at facilities away from University Park.

Golf — for women only

The golf course is often an extension of the board room. Networking is done, friendships are formed and decisions are made. To provide women/business managers with the skills they need to succeed on the golf course, Denise St. Pierre, head coach of the Penn State women's golf team, has designed Executive Women's Golf, a weekend workshop that will be held at University Park campus June 5-7.

The learning-intensive workshop, which will take place on Penn State's golf courses, will cover the fundamentals of the game and offer key information on equipment, attire and golf in the corporate world. The program fee is \$425 for members of the Penn State Alumni Association and \$450 for nonmembers (payment of the non-member fee gives individuals a one-year membership in the Penn State Alumni Association). You do not have to be a Penn State alumna to take part in the program. Registration deadline is May 22.

For more information, including how to register, call Alumni Continuing Education at (814) 865-5466.

Aquaculture class offered

Due to a delay in expected construction of the Natorium pools on the



Building bridges

Civil engineering students from the College of Engineering, practice their bridge-building skills on the University Park campus. Juniors Brian Grimaldi, Todd Campbell, Andrew Koser and Sean Hinz have teamed up with seniors Dave Hognlund, Charles Baruch, Scott Roberts and Mike McGowan to compete along with more than 40 teams from schools across the country at the National Steel Bridge Building Competition. The competition, sponsored by the American Institute of Steel Construction, is being held at Colorado State University in Ft. Collins, Colo., this weekend. Teams will be judged on a number of criteria, including the bridge's design and weight, and the speed at which the team assembles its bridge. The teams will be competing for scholarship money.

Photo: Greg Grisco

University Park campus, the Natorium will offer a special \$20 aquaculture pass good now through July 18. Aquaculture classes are tentatively scheduled until Aug. 5, so those who wish to participate between July 19 and Aug. 5 will pay \$2 per session.

For a complete schedule call the Natorium at (814) 865-1432 or Jon Larson at (814) 863-3945.

Paid volunteers needed

The Food Lab at University Park needs normal-weight women to participate in a four-week study this summer. Participants must be healthy, non-vegetarian, non-dieting, non-smoking, not pregnant or lactating females between ages 20 and 45. Participants will be asked to come to the lab for breakfast, lunch and dinner on one day a week for four weeks. During these meals subjects will be asked to complete ratings related to sensations of taste. Participants can earn \$40 for completing the study. If interested please call Tanja at (814) 863-8482. The principal investigator on this study is Barbara Rolls, Helen A. Guthrie chair

and professor of nutrition, biobehavioral health and behavioral science.

Insect information

Get the latest pest and pest management information through a toll-free hotline, (800) PENN-IPM, offered by the Pennsylvania Integrated Pest Management Program through the College of Agricultural Sciences and the state Department of Agriculture.

The hotline, entering its sixth year of operation, provides up-to-date news on insect infestations, disease development and other pest information, as well as tips on pest management tactics. Pest management messages are updated frequently during the growing season — sometimes as often as daily — and are available 24 hours a day, seven days a week.

Special Olympics names honorary chair for games

Former Nittany Lion quarterback Mike McQuary of State College has been named the 1998 Pennsylvania Summer Games' honorary chairperson. The 29th annual Pennsylvania

Special Olympics Summer Games will be held June 4-7, at University Park. The largest state-level event for Pennsylvania Special Olympics, almost 2,050 athletes and 500 coaches will participate in nine sports including basketball, bowling, athletics, golf, softball and equestrian throughout the weekend.

McQuary was the starting quarterback for last year's 9-3 Florida Citrus Bowl team. He set school records for single game passing yards (366) and total offense (370) vs. Pittsburgh.

New health resource

In an effort to expand the health information resources available in the community, Penn State Geisinger, The Milton S. Hershey Medical Center has opened a new Community Health Information Library. The library, located in the Penn State Geisinger Family Health Group facility, 670 Cherry Drive, Hershey, houses a collection of print and non-print resources covering general health topics, information about treatment of diseases as well as information on health promotion, preventive medicine, parenting and age-related issues. The collection includes books, journals, newsletters, pamphlets, audio and video tapes, and electronic resources. Most of the information is geared to lay people, but resources also are available for health care providers.

The public may use the library Mondays and Wednesdays, from 9 a.m. to 6 p.m.; Tuesdays and Thursdays, from 10 a.m. to 8 p.m.; and Fridays, from 9 a.m. to 4 p.m. Calls may be directed to (717) 531-4032 and you may direct e-mail messages to the library at chil@psghs.edu.

Federal work-study listserve

In November 1997 the Federal Work-Study listserve was initiated. The listserve replaces the FWS Bulletin Board previously available through the EMC2 mainframe Electronic Mail System.

The listserve provides timely updates and information concerning the Federal Work-Study Program. The listserve is an important link between program supervisors and contacts and the Office of Student Aid. It is important for all program supervisors and contacts to sign on to the listserve.

To sign on to the Federal Work-Study listserve, send the following e-mail message:

In the "TO:" field, type: maiser@studentaid.psu.edu. Leave the "SUBJECT:" field blank. In the body of the message, type: subscribe ws-super

Please note: If you have a "signature" on your e-mail, you must turn it off temporarily until the sign on message has been sent.

For more information, e-mail Jane Kone at jk1@psu.edu.

Numerous construction projects set for summer

By PAUL D. RUSKIN
Office of Physical Plant

Penn State is planning a full schedule of construction on the University Park campus this summer. The Office of Physical Plant will be managing 125 major projects on campus starting this month, and most of these projects have a potential to affect traffic, parking or pedestrian flow.

"This summer's construction activity is extensive. The public will see major improvements in many areas when all the projects are completed," said Jeff Mallory, director of design and construction. Every effort will be made to minimize the impact of the construction work.

All of this activity is a result of the University's \$476-million, five-year construction plan announced last May.

Two highly visible projects are the ongoing 130,000-square-foot addition to Pattee Library and the major renovation of the HUB/Robeson Center. Both projects are going smoothly, according to OPP, but this is only the tip of the construction iceberg. Here are some highlights of other major projects on the summer schedule:

- **Pollock Road:** Closed to through traffic until 5 p.m. Friday, June 12, because of water line construction to the Hetzel Union Building. The section of roadway in front of the HUB will be closed. Motorists needing access to buildings east of Boucke Building can use East Pollock Road and those needing access to buildings west of Osmond Laboratory can use West Pollock Road. No parking lots will be closed because of this construction.

- **Bigler Road:** Reconstruction of the south end began May 18; construction will run up to Pollock Road during the first half of the summer and finish as far as the Nittanyum by August. The work will cause the loss of two parking lots — Orange G at Pollock dining hall and the section of Nittany Silver adjacent to the Nittany Community Center — for the duration of the project. For more information on this project, call the Parking Office at (814) 865-1436.

- **Parking Lot 80:** Resurfacing in sections to permit ongoing use.

- **East Halls area:** Replacement of walkway roofing. All the material is stored at ground level, usually in the parking lots, as is the high-reach equipment, so there is a definite user impact.

- **Park Avenue sidewalk:** Replacement of existing sidewalk as well as installation of new sidewalk. Work will not be done in the road area, but excavation equipment and concrete delivery may affect traffic flow.

- **Pollock Road:** Electric duct bank installation, which will only affect pedestrian traffic.

- **Snyder Building:** Roof replacement.

- **Noll Laboratory:** Three-story addition.

- **Watts Residence Hall:** Renovation.

- **Rackley Building:** Third-floor renovation.

- **Chambers Building:** Replacement of concrete plaza.



One of many

An addition to the Thomas Building is one of many projects planned for the University Park campus this summer.

More information

Additional construction information for University Park is available on the Penn State home page at <http://www.psu.edu> or at the Office of Physical Plant home page under news: <http://www.opp.psu.edu/>. This page contains detailed maps which will be updated weekly with the latest information.

- **South Henderson Building:** Air conditioning and reroofing.

- **Eisenhower Auditorium:** Replacement of chiller.

- **Sarni Tennis Facility:** Completion of the project.

- **Multi-Sports Facility:** New 126,000-square-foot facility.

- **Materials Research Laboratory:** Renovation of air-handling system.

- **College of Engineering:** New 96,000-square-foot Leonard Building.

- **West campus:** New 107,000-square-foot Research Center.

- **Recreation Building:** Extensive renovation and new running track.

- **Business Administration Building II:** Renovation.

- **Sparks Building basement:** Renovation.

- **Steidle/Hosler:** Renovation of heating and ventilation system.

- **Old Main entrance:** Renovation.

- **College Avenue bus stop:** Curb and pavement improvements.

- **Osmond Building:** Renovate third floor for a new physics lab and rebuild building entrance.

- **Wartik:** Build an interactive classroom.

- **Warnock:** Resurface Green G parking lot.

- **Eisenhower Parking Garage:** Caulking, sealing, and restriping (one floor at a time).

- **Orange B parking lot:** Convert upper portion to roller hockey area and resurface tennis courts near McCoy Natatorium.

- **Thomas Building:** New 600-seat lecture hall addition.

- **McElwain:** Resurface Orange G parking lot.

- **Shortlidge Road:** Upgrade water line.

- **Pollock Housing Area:** Sidewalk replacement.

- **Pollock Undergraduate Library:** Renovation for ADA accessibility.

- **Intramural Building:** Resurface tennis courts.

- **Wagner Building:** Replace roof and exterior masonry walls.

- **Wagner parking lot:** Resurface Orange D.

- **Shields Building:** Entrance and lobby renovations.

- **New 89,000-square-foot football training facility.**

- **Beaver Stadium:** Expansion of parking and storm water retention improvement.

In addition, the Office of Physical Plant will be constructing 12 telecommunications projects this summer and then 31 more in the fall. There also will be an additional 25 projects for accessibility improvement during the fall. Six major construction projects will be conducted at the University Park Airport between May and the end of the year, and these will include a new terminal, hangar and a 1,700-foot runway extension.

Motorists approaching University Park this summer also will be faced with road construction on North Atherton Street, University Drive, Fox Hollow Road and Puddintown Road.

Many construction schedules will change according to weather conditions. Access for emergency services and emergency egress from buildings will be maintained throughout construction.

Penn State Beaver Dining Commons expansion under way

Penn State Beaver recently broke ground for a \$1.75 million renovation and expansion project of the campus Dining Commons. The project, funded by Housing and Food Services, includes renovation of the 29-year-old dining hall, as well as construction of a connector between the dining commons and the Study Learning Center.

The 4,000-square-foot connector will include a special events dining room and a new Housing and Food Services office.

Housing and Food Services will spend an additional \$300,000 on new furnishings for the Dining Commons.

With the renovation, the dining hall will change from a one-price to an a la carte billing system. Work is expected to be complete in early August and the new facility will be open when students return for the fall semester on Aug. 24.

Burt Hill Kosar Rittelmann Associates of Butler is the architect on the project.

World Campus seeks academic program director

The University is seeking a director of academic programs for the World Campus, Penn State's virtual campus.

The World Campus extends Penn State signature programs to adult learners worldwide, using the World Wide Web and other technologies to create asynchronous learning communities. The World Campus reports to the associate vice president for distance education and executive director of the World Campus and is part of the university-wide outreach and cooperative extension function. The World Campus is located at <http://www.worldcampus.psu.edu>

The director of academic programs will oversee the development and ongoing enhancement of World Campus programs; direct postbaccalaureate and continuing professional education programs;

and supervise an associate director responsible for a growing undergraduate portfolio based in Penn State's pioneering independent learning program.

The director also will develop and supervise annual budgets for the various programs offered by the World Campus; manage the activities of the director for undergraduate programs and the director of instructional design and development; and coordinate with centralized outreach offices of market research, client development, marketing communications and Distance Education support units.

Successful candidates will hold a doctorate and have experience in a senior faculty position, with direct experience in teaching at a distance or developing/supervising curricula delivered at a distance. Prior academic and budgeting administrative experience is required. Professional experience in work-

ing with complex teams and a commitment to the ideals of distance education and outreach are highly desired. The World Campus is a University-wide delivery unit. The director will work with academic departments from throughout the University's academic community. Diplomacy and an understanding of the academic environment are very important.

Review of candidates will begin on June 1 and continue until a successful candidate is found. Please send a complete resume, names and contact information for three professional references, and a cover letter explaining your qualifications for the position to A.J. Turgeon, Chair, Academic Programs Director Search Committee, The World Campus, 211 Mitchell Bldg., University Park, Pa. 16802 or fax (814) 865-3290. Application materials and inquiries will be accepted electronically at sturgeon@psu.edu.



In training

Kevin Ginerich, a military second-year student, works his way across a rope bridge. The exercise was one of several on the agenda during basic field maneuvers practice for the Army and Marine ROTC. The exercises took place recently near the deer pens at University Park.

Photo: Greg Grieco

Several projects receive FELT support to enhance undergraduate education

Twenty-three projects expected to enhance undergraduate education at Penn State through innovative methods have received the support of the Fund for Excellence in Learning and Teaching (FELT) administered by the Center for Excellence in Learning and Teaching. The average support for these FELT projects is \$4,289, but the actual funding ranges from \$1,020 to \$10,000 for individual projects.

Selected from a field of 80 program proposals submitted this past year by faculty from across the University in a wide range of disciplines, these 23 teaching and learning projects incorporate a combination of methods to increase educational objectives. A mix of good practices, such as student-faculty contact, communicating high expectations, active learning, collaboration across disciplines and the use of information

technology, were submitted during the proposal process.

In addition to the 23 proposals funded, 12 proposals were forwarded to the Center for Academic Computing for support through the Faculty Technology Initiative, which is administered by Education Technology Services. The ETS Advisory Board will recommend the funding for these proposals. Diane Enerson, director of the Center for Excellence in Learning and Teaching, said a list of abstracts from funded proposals should be available early this summer to further discussion and planning for enhancing undergraduate learning.

A complete list of supported proposals may be obtained from the Center for Excellence in Learning and Teaching, 401 Grange Building, phone (814) 863-2599; or they can be viewed on the Web at <http://www.psu.edu/celt>.

Needs of students are focus of report by Kellogg Commission

Access to institutions of higher education will become one of the defining domestic policy issues in coming years — it's already on the public agenda and will become even more urgent as we move into the 21st century. That's a key message of a report released in early May by the Kellogg Commission on the Future of State and Land-Grant Universities.

In an open letter to the chief executives of the nation's state and land-grant colleges and universities, Penn State President Graham B. Spanier and 26 other current and former public university presidents have laid out a bold framework for change to expand access to higher education.

Returning to our Roots: Student Access, calls on public institutions to change or reexamine their admissions requirements, course-credit policies, student support and financial aid programs, and relationships with public schools.

"This report grew out of our dismay about the shape and nature of the current conversation about educational opportunity in the United States," said commission Chair Spanier. "The commission hopes to focus that conversation where it should be — on the needs of students."

The access report notes that three challenges complicate efforts to expand access to public higher education: price; the challenge of diversity; and opportunities presented by modern technology. It concludes with an action program of seven recommendations.

Recommendations include:

- Transform land-grant and public universities
- Build new partnerships with public schools

Check the Web

The entire text of *Returning to our Roots: Student Access* is available online at NASULGC's Web site: <http://www.nasulgc.nche.edu>.

- Validate admissions requirements
- Encourage diversity
- Clarify course-credit transfer and articulation agreements
- Renew efforts to contain cost and increase aid; and
- Focus on what students need to succeed.

To underline the need for change, the commission also released a companion working paper, *Access to Educational Opportunity, Data Related to Change*. The data show:

- In the last two decades, the portion of recent high school graduates going directly to college increased from 47 percent in 1973 to 62 percent by 1994.
 - The shift in federal policy from grants to loans is forcing many students to graduate in debt and is mortgaging their future.
 - The fastest growing student population consists of adults who are either enrolling for the first time or returning to colleges and universities after an absence.
- "Penn State and other public universities have done a great deal in the last few decades to expand educational opportunity for students and citizens who had been denied a chance for a college education. But we can do much more," Spanier said. "We face new challenges to broadening access, and we must find new ways to do this."

Supervision course aids new, seasoned leaders

This month marked the inaugural offering of a new University-wide leadership training component aimed at providing supervisors with the necessary skills to manage people.

"Mastering SuperVision," is one of five programs planned as part of Penn State's recently initiated Excellence in Leadership and Management curriculum. The programs were developed in response to the 1996 Faculty/Staff Survey, which indicated the importance of good leadership and effective management at all levels.

Mastering SuperVision, which was offered for the first time in early May and is expected to be repeated several times each semester, is designed to equip supervisors with key skills for managing people effectively and translating the University's mission into day-to-day work. The first offering attracted 28 faculty and staff members from various areas throughout the University.

"This program systematically builds management skills that are critical in today's workplace," said Lenny Pollack, who led design efforts for the program and is manager of the Human Resource Development Center. "Because of rapidly changing conditions and the growing demand for quality service, it is now critical for front-line employees to be effective planners, decision makers, and problem-solvers."

Pollack said, increasingly, supervision is about providing others with the skills, resources and guidance they need to be successful. Mastering SuperVision is designed to help supervisors effectively coach, enable and empower those who report to them.

"The program encourages supervisors to build a work environment on a foundation of mutual trust in which people feel safe to grow and work together to achieve their goals," he said about the program that is taught by a team of 20 instructors. Mastering SuperVision is delivered in half-day segments over a 10-week period.

James L. Rosenberger, professor and head of the Department of Statistics, participated in the program's initial offering. He said the course provided some "excellent advice" for him on how to handle the many difficult situations which arise when supervising staff and providing collegial leadership for faculty.

For Kim Keller, staff assistant VI in the College of the Liberal Arts, the program's value was not only the amount and type of information presented, but the interaction with instructors and other participants.

"Being a new supervisor, I have been introduced to the skills and tools that will be essential in my role," she said. "I would encourage all new and experienced supervisors to attend this class."

Plans for delivering Mastering SuperVision during the upcoming academic year are under way. Susan Cromwell with the Human Resources Development Center is leading the effort to expand access to the program. HRDC is currently seeking nominations for the fall program from deans and executives at University Park. In addition, supervisors have been given the opportunity to nominate themselves. Plans also are in the works to offer Mastering SuperVision as a pilot program within a particular unit and to deliver the program to locations away from University Park.

For more information about Mastering SuperVision, call Cromwell at (814) 865-2753; or e-mail sc137@psu.edu.



A bit of coaching

Clarence "Shorby" Stoner, assistant professor of exercise science, helps student Karina Borja with her grip during a beginning tennis class. Stoner is teaching the course on the University Park campus during intersession, which began May 11. Photo: Greg Grieco

Program keeps kids in school

By NANCY CRAB
Philadelphia Region

Telisha Chase laughs when asked if she grew up thinking she'd go to college. "No," she says emphatically, shaking her head. "I didn't ever think I'd go to college. I didn't know what I would do."

But here she is today, a bright, confident, articulate 21-year-old from the Olney section of Philadelphia who looks you straight in the eye and talks of her love of Toni Morrison and Maya Angelou books while planning a future as a teacher, writer and Penn State graduate.

Chase was a middle-of-the-road ninth-grade student at Olney High School several years ago when she signed up for a new, four-week summer academic enrichment program called Project Power, her eye on the \$360 that program participants would receive.

"When I started out in the program, it was basically all about the paycheck," she admits, adding that in those early days, she was far from a model participant. "I know I got on their (her Project Power teachers') nerves; I didn't want to pay attention and would goof off a lot with my friends."

But somewhere along the line, all that began to change. Chase's grades in school improved, she decided to run for senior class president and gave a speech at her graduation ceremony based on Frederick Douglass' writings. And today, as she finishes her junior year of college, Chase credits the intensive, little-known Project Power program as playing a crucial role.

Project Power, funded by the federal Job Training Partnership and the Philadelphia Private Industry Council, was created in 1993 by Penn State Abington physical education professors Wesley Olsen and Bob Barton, and Olney English teacher Myra Olshansky. The program targets average ninth graders — not the best or the worst, and thus often overlooked — at Philadelphia's Olney High School. It immerses the 30 or so participating students in academic and community work for a solid four weeks every summer, as well as in specialized workshops during the school year, until they graduate from high school. Most participants are minorities, and many have faced economic adversity all of their lives. Eighteen participants — including Chase — completed the first Project Power program. Thirty-one are now enrolled in Project Power Two.

"We start talking about college early," said Olsen.

"Many of these kids would be first-generation college students, and we are trying to teach them to be productive citizens and to graduate from high school. Our hope is that 18 to 20 of our current group will go on to college. The others will likely go into the service or trades."

"We focus on academic enrichment, which means a lot of work on reading, writing and math skills, as well as lots of work on teamwork and communication, community service, college readiness activities and pre-employment skills like interview techniques and punctuality," said Olsen. "Students also take an overnight trip to University Park, where they stay in the residence halls and get a real sense of the larger college experience."

For Chase, the trip to University Park was a turning point.

"Project Power prepared us to go on to college, whereas public school really didn't. I remember when I came back from University Park, I really started thinking about going to college," she said.

Another breakthrough came during "give-back" Wednesdays, when she and other program participants would spend the day working with elementary school students at Philadelphia's Birney Elementary School. It was during these Wednesdays that Chase decided she wanted to become a teacher.

Olsen cites the program's long-term focus — staying with the same group of students year after year until they graduate from high school — as a major reason for its success. "Lots of programs are one-shot deals," he said. "We are the only program in the state that we know of that is continuous."

But Chase sees things a little differently.

"Dr. Olsen and Dr. Barton got to know us and helped us build our personalities," she said. "They believed in us and saw us graduating and moving on to college. Dr. Olsen would talk about this like it was a fact — it was going to happen. He made us feel special."

Today, Chase works along side her former Project Power teachers as a "crew leader" for the program. And after two years as a student at Penn State Abington, she is temporarily enrolled at the Community College of Philadelphia, but ultimately plans to return to Abington.

"I will get my degree from Penn State," she said emphatically.

Olsen has no doubt that she will.

"She'll be the mayor of Philadelphia some day."

PLCB, Penn State and campus communities develop strategies to attack alcohol abuse

In a May 4 conference on the University Park campus, nearly 150 administrators, state leaders and community representatives met to develop strategies to deal with alcohol abuse on Penn State campuses. Some of the concepts discussed to curb alcohol use include:

- Increase the number and kind of non-alcoholic events on campus and in the communities;
- Be clear on the consequences and tighten the enforcement of underage drinking, violence and vandalism; and
- Send incoming freshmen the early message that Penn State is not a party school.

During the statewide Penn State-Pennsylvania Liquor Control Board "Partnership for Prevention" conference, participants developed campus-community teams to plan, create and implement strategies for collegiate alcohol problems prevention and intervention.

"Alcohol abuse is one of the most serious problems faced by our institutions of higher education, and by our youth, their families and communities. With this conference, we are taking a very important step in addressing this challenge together," President Graham B. Spanier said in his welcoming remarks.

Attending were administrators from all Penn State undergraduate campuses, student affairs direc-

tors and health educators; bar, restaurant and night club owners; public school district representatives, chiefs of police, judges and leaders of statewide organizations. They will meet again in September 1999 to share their experiences of what works and what doesn't.

"The actions of Penn State and other college students affect not only their campuses but also the communities around each campus. For example, local high school students are influenced by the drinking behavior they see, and think it's the expected thing that college students do," said Judith Vicary, professor of biobehavioral health and chair of the FSU-PLCB Partnership planning committee.

First Lady Michele Ridge; William DeJong, director of the Higher Education Center for Alcohol and Other Drug Prevention; Nelson Cooney, president of Community Anti-Drug Coalitions of America; Roberta Leis, Robert Wood Johnson Join Together Program; Cheryl Presley, director, and Philip Meilman, co-director, of the Core Institute at Southern Illinois University, also addressed the group.

At the end of the conference, participants identified evidence of problem student drinking, such as vandalism, public drunkenness, academic problems, emergency room statistics, violence and arrests. They then identified social acceptance, availability, the lack of rules and enforcement, peer pressure, being away from home for the first time, and

continuing high school behaviors as factors contributing to the problems of underage and binge drinking. They also identified possible prevention efforts.

The campus-community teams are now refining their plans — looking at what other agencies or groups should join in the effort, identifying technical assistance and other resources they will need and developing strategies appropriate to each campus area. They will to work with the partnership planning committee on implementation throughout the summer and next academic year.

In addition, the Division of Student Affairs and the Commission on the Prevention of Alcohol, Tobacco and Other Drug Abuse at all Penn State locations are establishing education, prevention and intervention programs. University-wide, faculty, staff and students have begun projects to address health and behavioral issues related to excessive use of alcohol.

"I am particularly excited about our partnership with Penn State and its potential to establish models and strategies that can be used by all Pennsylvania colleges and universities to deal with this complex and difficult problem," said PLCB Chairman John E. Jones III. This partnership is a three-year plan for prevention and will be carefully evaluated throughout to determine the most effective methods, and for which groups of students.

Promotions

Staff

Nancy L. Boal, staff assistant VII in College of Engineering.

Loren G. Brewster, supervisor, Computer and Information Systems at Penn State York.

Robert C. Brinkley, director, information and instructional technology at Penn State Harrisburg.

Martin E. Caha, network coordinator at Penn State Harrisburg.

Sandra L. Clark, staff assistant V in Computer and Information Systems-Center for Academic Computing.

Joann W. Convery, office information specialist in Continuing and Distance Education.

Phyllis Y. Crum, staff assistant VI at Penn State Harrisburg.

Lisa A. Eiler-Lingle, staff assistant VI in College of Engineering.

Lindsey M. Estright, staff assistant VII in College of Health and Human Development.

Jody R. Fenush, administrative assistant I in Office of Vice President for Research.

Cynthia A. Flango, staff assistant VI in The Smeal College of Business Administration.

Pamela E. Forand, senior data management analyst in College of Medicine.

Michael R. Goss, network coordinator at Penn State Schuylkill.

Virginia L. Grimmer, staff assistant VI at The Nittany Lion Inn.

Linda L. Haffey, staff assistant VI in College of Education.

Donna M. Harkless, staff assistant VI in Office of Vice President for Research.

Robin J. Haynes, staff assistant VII in College of the Liberal Arts.

Jeffrey D. Heim, staff assistant VI at The Nittany Lion Inn.

Cathy L. Hipple, staff assistant VI in College of Education.

Mary P. Hort, assistant director of development in Division of Development and Alumni Relations.

Sharon L. Howell, associate director, student aid in Office of Vice Provost and Dean for Enrollment Management and Administration.

William R. Huston, associate director, judicial affairs in Student Affairs.

Cheryl A. Jones, staff assistant VI in College of Agricultural Sciences.

Janet L. Jonson, assistant research engineer in Applied Research Laboratory.

Michael J. Kalbaugh, coordinator, instructional design at Penn State Harrisburg.

Cheryl M. Kaplan, assistant director of continuing education at Penn State Abington.

Gerald A. Kellander, staff assistant VI in Office of Vice President for Research.

Susan E. Kneel, director, cooperative education program in Eberly College of Science.

Kim S. Koba, travel coordinator in Business Services.

Deborah L. Kravitz, administrative assistant I in Office of the Vice President for Research.

Melissa J. Kunes, associate director, student aid in Office of the Vice Provost and Dean for Enrollment Management and Administration.

Jeannine M. Lewis, technician-research in College of Medicine.

Steven A. Maczuga, lead applications programmer/analyst in Office of Vice Provost and Dean for Enrollment Management and Administration.

Theresa K. Majzlik, manager, network and information systems at Penn State Harrisburg.

Colleen M. McMahon, staff assistant V in College of Education.

Michele L. Newhard, program specialist in Housing and Food Services.

Margaret L. Novosel, staff assistant VI in College of Engineering.

Richard A. Olsen, systems planning specialist III in Computer and Information Systems-Administrative Systems.

Laura N. Perry, assistant director in Student Affairs.

Patricia A. Phillips, program specialist in Continuing and Distance Education.

Zheng Qian, assistant to financial officer I in College of Earth and Mineral Sciences.

Karen E. Reeve, travel coordinator in Business Services.

Lisa A. Ross, staff assistant VII in College of Engineering.



Work progressing

Chas Lopez of Nastes Construction puts the finishing touches on the fencing that surrounds the new Sami Tennis Facility on the University Park campus.

Photo: Greg Grieco

Partings

Assistant vice president retires after decades, with emeritus rank

After years of protecting the Penn State campus community, David E. Stormer, assistant vice president for Safety and Environmental Services, has said goodbye. Stormer retired in April after 25 years of service to the University. Upon his retirement, he received emeritus status.

Stormer came to Penn State in 1973 as director of security and became vice president for Safety and Environmental Services in 1990. He formerly held the position of associate director of public safety at The Ohio State University for two years and also served for 10 years in the Michigan State University campus police department.

He earned a baccalaureate degree in police administration and a master's degree in administration of justice from Michigan State. Stormer also earned a master's degree in public administration while at Penn State.

Stormer will be remembered for his many accomplishments at Penn State, most notably, chang-



DAVID E. STORMER

ing the role of the campus police department. Upon his arrival at Penn State, University police were more functional, he said, with their major responsibility to secure facilities.

"I didn't care too much about buildings," Stormer said. "I was more interested in people. My philosophy has been that the students are the No. 1 concern."

Stormer said he encouraged safety through education, understanding and acceptance — teaching the campus police to act in a more supportive role rather than a policing one. He was instrumental in creating the neighborhood police program and

the now popular campus police bicycle patrol; and placing police officers on duty in the residence halls.

In addition to police services, Stormer also oversaw environmental safety at the University which included biological, chemical and radioactive issues.

In retirement, Stormer said he plans to enjoy his family and also pursue some renovation projects at his Bellefonte home.

Marketing director headed to Boise

Ronald L. Melchiorre, director of marketing and sales for management development programs and services, retired after more than 25 years of service with the University.

Melchiorre, his wife, Joyce, and daughter, Nicole, have relocated to Boise, Idaho, where he is director of the Center for Management Development at Boise State University.

He joined the Penn State continuing education staff in 1972 at the Delaware County campus, serving as an area representative. He later was promoted to director of continuing education at Penn State Harrisburg. In 1988, he was named regional director of continuing education for the central region. He served in this role until 1996, when he was appointed



RONALD L. MELCHIORRE

director of marketing and sales for Management Development. Previously, Melchiorre taught at Monsignor Bonner High School in Drexel Hill, Pa.

He earned a bachelor's degree in education and a master's degree from Penn State and a certificate in safety from West Chester University.

During his career with the Division of Continuing Education, he received 13 awards for excellence in programming from the National University Continuing Education Association. In the 1970s, he received an education award from the district judges of

Delaware County. He also was honored as baseball coach of the year three times during his coaching career at Penn State Harrisburg.

International chocolate expert ends 37 years of service

Paul S. Dimick, professor of food science in the College of Agricultural Sciences, retired with emeritus status after 37 years of service.

Dimick is an international expert on chocolate, particularly in regard to its physical properties and taste. He is recognized internationally for his research on chocolate processing and how cocoa butter crystallizes. His publication record includes 18 book chapters and more than 300 scientific papers and abstracts.

Dimick developed and serves as director of the Chocolate Processing Short Course, a weeklong seminar for industry professionals, designed to give participants a complete understanding of the science and technology of chocolate processing. He also served as editor for the book *Cocoa Biotechnology*, published in 1986.

Dimick has maintained an active teaching role, developing five courses for the food science depart-



PAUL S. DIMICK

ment at Penn State. In all, he has taught 14 courses at the graduate and undergraduate level.

Dimick, a native of Burlington, Vt., received his B.S. in dairy manufacturing in 1958 and his M.S. in dairy science in 1960 from the University of Vermont. He earned a Ph.D. in dairy science with a minor in biochemistry from Penn State

in 1964. He also served as an officer in the U.S. Army from 1958 to 1960. After working as a Penn State

Biology professor served 34 years

Reginald A. Deering, professor emeritus of biochemistry and molecular biology, has retired from the Eberly College of Science after 34 years of service. After graduating as valedictorian of his class with a bachelor of science degree in engineering physics and chemistry from the University of Maine in 1954, then receiving a doctoral degree in biophysics from Yale University in 1957, he joined the Penn State faculty in 1964 as associate professor of biophysics. He became professor of biophysics in 1969, then professor of molecular and cell biology in 1974.



REGINALD A. DEERING

Deering's research concerns how cells repair the damaging effects of ultraviolet light, charged-particle radiation, and chemicals on the structure and function of DNA.

Before his retirement, Deering mentored 21 graduate students and taught a wide range of courses on both the undergraduate and the graduate level. He served as chair or a member of many college or University committees, including the Faculty Senate and the Graduate Council.

Among his many awards, Deering received a Fulbright Fellowship for research at the University of Oslo, Norway, from 1958 to 1959; two National Research Service Awards from the National Institutes of Health from 1974 to 1975 and from 1983 to 1984; and the Penn State Excellence in Graduate Teaching Award in 1994. He is a member of several professional societies, including the American Association for the Advancement of Science, the American Society for Biochemistry and Molecular Biology, and the Biophysical Society. He has authored or coauthored 80 research publications and given numerous invited talks throughout the world.

research assistant from 1964 to 1965. Dimick was promoted to assistant professor in 1965. He was promoted to associate professor in 1970 and to professor in 1975.

In 1992, he received the Daniel Scott Fellowship Award from the Australian Dairy Industry. He received the Outstanding Professor Award from the Eastern Region of the Institute of Food Technologists in 1991. He has served on numerous committees within the college and the University and also has been recognized by such honorary societies as Sigma Xi, Phi Lambda Epsilon and Phi Tau Delta. He is a member of the American Oil Chemists Society, the Institute of Food Technologists and the American Dairy Science Association.

Dimick and his wife, Pat, live in Boalsburg. They have three children, Dan, Tom and Jeanne, all of whom attended Penn State.

Partings

Emeritus rank gained after 27 years of service

Henry Johnson has retired with the rank of emeritus professor in education, after 27 years of service. Two of those years were spent as a visiting professor of education at the Catholic University of America in Washington, D.C.

Johnson, a professor of education in the Department of Education Policy Studies, taught classes and conducted research in the fields of history of education, philosophy of education and education policy. Over the past several years, his interests have included the study of technology as a cultural and educational problem. In addition to teaching and conducting scholarly research, Johnson has served widely as an educational consultant at the local, state and national level, both here in the United States and in Latin America, particularly Costa Rica, Columbia, the Dominican Republic and Venezuela. He also has published extensively.

During his tenure, Johnson has served as professor-in-charge of the Department of Education Theory and Policy, and on numerous committees in the college. He spearheaded the creation of the College of Education's Faculty Council, and served three terms on that council. He also was a member of several professional organizations and is still an active member of the American Association of University Professors. Johnson also created and chaired a University seminar called "Interdisciplinary Symposium on Problems of Value." From 1976 to 1983, some 50 university scholars in various fields came together several times a year to discuss why questions of value need to be examined.

Last year, he chaired the conference steering committee for the International Conference on Education and Technology: Asking the Right Questions, held at Penn State. Four issues of major journals will be devoted to topics discussed at the conference. This year's conference, in which Johnson also is assisting, will focus on technology problems in the health care industry.

Lately, Johnson has been exploring the idea of a National Museum of Education, which would be located in Washington, D.C. In his retirement, Johnson plans to turn his idea into reality. He also will continue to teach and advise now and then, and will focus on several scholarly activities in the area of history of education and philosophy of education. In June, Johnson will travel to Columbia and Venezuela as a keynote speaker at two conferences on technology and distance education.

Although Johnson still plans to continue working well into his retirement, having relinquished many of his job responsibilities as a full-time professor of education will allow for more baseball games and traveling on the railroad, two things he holds dear to his heart.

Professor emeritus served for 30 years

Peter A. Thrower, professor emeritus of materials science and coordinator of graduate programs in the Department of Materials Science and Engineering, has retired after 30 years as a member of the faculty.

Thrower earned his B.A., M.A. and Ph.D. degrees in physics from Cambridge University, U.K., and served as a scientific officer at the U.K. Atomic Energy Authority at Harwell from 1960 to 1969, before joining the Penn State faculty as an associate professor.

A specialist in carbon materials, graphite and carbon composites, Thrower served as editor-in-chief of the international scientific journal *Carbon* from 1983 to 1998. In addition, from 1973 to 1993, he supervised the production of volumes 8 to 24 of *Chemistry and Physics of Carbon*, serving 10 years as joint editor and 10 years as editor.



PETER A. THROWER

He taught the basic introductory course in materials science for 20 years, in addition to advanced classes in electron microscopy and carbon and graphite materials. In 1991, he turned his class notes into a textbook, *Materials in Today's World*, published by McGraw Hill; a second edition was printed in 1992.

His teaching achievements were recognized with the Wilson Award for Outstanding Teaching and again in 1998 with the Eisenhower Award for Distinguished Teaching.

Thrower served as a member of the University Senate, and as a member and subsequently chair of the University Promotion and Tenure Committee. He also served as a member of the executive committee of the American Carbon Society.

Associate professor of English retires after teaching for 27 years at Berks

James Boyer, associate professor of English, retired from Penn State Berks at the end of the spring semester after 27 years of service.

Boyer has been with Berks campus since 1971. He began as an instructor in English and completed his Ph.D. while a Berks campus faculty member. Boyer earned tenure in 1986 and became an associate professor of English in 1989.

Boyer is a member of the Thomas Wolfe Society and has published on Wolfe's work since

the early '80s. He was recently awarded the William B. Wisdom Research Award from the Thomas Wolfe Society. In April, he also had a paper titled "Revisions in Thomas Wolfe's *The Lost Boy*" accepted by the journal *Studies in Short Fiction*.

Boyer's other accomplishments include serving in the army, where he was stationed in Germany; and working as a Fulbright professor in Scotland (1986-87) and Mexico (1989-90). The Ful-

bright program promotes the international exchange of scholars in order to increase understanding among the nations of the world.

He earned his bachelor's degree from Lebanon Valley College, his master's degree from Millersville University and his Ph.D. from Penn State.

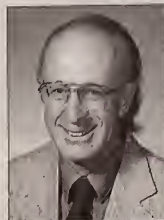
Boyer plans to continue to publish on five of the major works of Thomas Wolfe — he has already published on two.

Geology professor and lab director retires from University with emeritus rank

Alan Davis, professor and director of the Coal and Organic Petrology Laboratories in the College of Earth and Mineral Sciences, has retired as professor emeritus of geology. He has been at Penn State since 1973, when he was appointed associate professor of geology.

At Penn State, he served in the coal research section as assistant director until 1986, and from 1986 to 1987 as director. From 1987 to 1992 he served as director of the Energy and Fuels Research Center, and then from 1992 to 1997, as director of the Coal and Organic Petrology Laboratories. One of the functions of these centers was maintenance of the Penn State Coal Sample Bank and Database, which serves as a library of coals for researchers throughout the world.

His research interests focused on the optical properties of coals and their relationships with coal origin and use. Davis is one of an international group of authors who are currently completing a new textbook, *Organic Petrology*. He has been active in professional organizations throughout his career and was named a



ALAN DAVIS

Fellow of the Geological Society of America; served as chair of the Coal Division of the Geological Society of America; and for four years served as president of the International Committee for Coal and Organic Petrology. He has been actively involved with the Coal and Coke Committee of the American Society for Testing and Materials for 20 years, and has served on various national and international committees.

Davis received his bachelor of science degree in geology from Imperial College, London; master's degree in geology from Penn State in 1961; and his Ph.D. in geology from the University of Durham (U.K.). After a variety of research posts in the early years of his career, he accepted a position with the Geological Survey of Queensland, Australia. He returned to Australia in 1993-94 to spend a sabbatical leave in the Department of Applied Geology at the University of New South Wales and at the Research School of Earth Sciences at the Australian National University in Canberra.

Private Giving

Couple gives \$1.25 million to support University

Longtime Penn State volunteers and advocates Arthur and Paige Nagle have committed \$1.25 million to three University programs in support of the arts, graduate studies and student-athletes.

Art Nagle, a 1961 graduate of the College of the Liberal Arts with an MBA from Columbia University, is a managing director at Vestar Capital Partners, a private investment firm in New York. Paige Nagle is a graduate of Northwestern University's School of Speech and runs her own interior design firm. The Nagles live in Bronxville, N.Y., and have a daughter, Katie, and a son, Chris, who is a speech communication major at Penn State.

From the total gift, \$500,000 benefits the College of Arts and Architecture by establishing the Nagle Family Endowment for Music Theatre in the School of Theatre Arts. The fund will provide support for such needs as acquiring new works, awarding scholarships and attracting visiting artists and professors.

Another \$500,000 of the gift bolsters various efforts in Intercollegiate Athletics, including the Morgan Academic Support Center for Student-Athletes. The center's C.H.A.M.P.S. (Challenging Athletes' Minds for Personal Success) program will be named in honor of the Nagle family.

The gift also endows a graduate fellowship for the College of the Liberal Arts with \$250,000. The fellowship will be named for Susan Welch, current dean of the college, and the Nagle family.

Past gifts from the Nagles benefited such undertakings as the Penn State Educational Partnership



PAIGE AND ARTHUR NAGLE

Program to help disadvantaged middle-school students succeed academically, the construction of The Bryce Jordan Center, the Campaign for the Library,

athletics and scholarships, including the Nagle Family Endowed Scholarship for Women's Soccer.

For the forthcoming University-wide capital campaign, Art Nagle will chair the New York regional committee and serve on the steering, executive and Intercollegiate Athletics committees. He was a member of the National Development Council from 1991 to 1996, then Penn State's top fund-raising advisory board, and chaired the New York regional committee for the campaign for the Jordan Center. He also is a member of the Penn State Endowment Investment Advisory Council.

Before forming Vestar Capital Partners in 1988, he worked as a systems engineer for IBM and a managing director of First Boston Corp., and was an officer in the U.S. Navy, serving nearly two years in Vietnam. He has served on the boards of directors of more than 25 major firms and currently serves on the boards of Lawrence Hospital in Bronxville, N.Y., and the HealthStar Network of Communities Hospitals in Armonk, N.Y. He also is a founding board member of the Bronxville School Foundation.

Paige Nagle, in addition to her interior design firm, has a strong interest in the performing arts. For the past 20 years, she has been active — including serving several terms as chairperson — with a music therapy group that performs for elderly and infirm persons in nursing homes, hospitals, senior citizen centers and other settings. She also served for seven years on the Bronxville Design Review Board and is currently a vestry member of Christ Church in Bronxville.

Campaign committee members support graduate students

Three College of Engineering campaign committee members have pledged more than \$700,000 to endow graduate fellowships. The three gifts to the University's forthcoming campaign were received from James E. Marley, committee chair, Fred A. Breidenbach, and Frank Gabron, and their families.

■ James E. Marley, chairman of the board of AMP Inc., and his wife, Judy, pledged \$500,000 for the James E. and Judy A. Marley Graduate Fellowship in Engineering. Their fellowship is designated to recognize and support outstanding graduate students who have been admitted to the College of Engineering.

James Marley is a 1957 aerospace engineering alumnus, a 1985 Outstanding Engineering Alumnus, a 1994 Penn State Distinguished Alumnus and Engineering's 1993 Honorary Lecturer.

Judy Marley graduated from Penn State Harrisburg with a bachelor's degree in humanities in 1992 and is the owner of Crumbs & Co., a retailer of cookies and cookie jars. The Marleys have generously supported the college in the past, have three adult children, and reside in the Harrisburg area.

■ Frank Gabron and his wife, Mildred, have donated more than \$107,500 for the Gabron Family Graduate Fellowship in Mechanical Engi-



Supporting scholarship

A gift of more than \$700,000 from members of the College of Engineering campaign committee, will benefit graduate students in the college.

neering to honor the memory of Professor George M. Dusinger. Dusinger was a professor of mechanical engineering from 1948 to 1960, and was Gabron's friend and mentor. First preference for this fellowship will be given to students who intend to pursue a career in industry and are interested in the field of heat transfer.

Frank Gabron earned a master's degree in mechanical engineering from Penn State in 1955. Retired as

chairman of the Helix Technology Corp., he is a 1987 Outstanding Engineering Alumnus and a 1989 Penn State Alumni Fellow. In addition, he was awarded the PSES Distinguished Service Award in 1991 when he served as the college's Keen Professor of Entrepreneurship in Engineering. Mildred Gabron is an alumna of Lasell College.

Before this current graduate fellowship, the Gabrons established two

undergraduate scholarships and another graduate fellowship in the College of Engineering. The Gabrons live in Hollis, N.H., and have one son.

■ Fred Breidenbach and his wife, Susan, have established the Fred A. and Susan Breidenbach Graduate Fellowship in Engineering to support and recognize students exhibiting academic excellence in the College of Engineering. Like other University endowed fellowships, the Breidenbachs' pledge of \$100,000 will be invested, with a portion of the income used annually to support graduate engineering students.

Fred Breidenbach is a 1968 industrial engineering graduate and also earned an M.B.A. from Xavier University in Cincinnati. He spent 25 years in General Electric's engine and aerospace sectors, starting as a management trainee and spending his last five years as a GE officer. In 1993, he joined Gulfstream Aerospace Corp. as the president and chief operating officer, and in 1997 established his own consulting company. He is on the board of directors of Kaman Corp. and was named a 1991 Outstanding Engineering Alumnus.

Susan Breidenbach is a 1969 alumna of Millersville State University and taught Spanish and French before raising the couple's two sons. The Breidenbachs live in Hilton Head, S.C.

Did you know?

Research shows the most severe cases of sleep apnea occur in people under age 45 and should be treated more aggressively to reduce problems including hypertension. Edward Bixler, professor of psychiatry in the College of Medicine, said this was not previously discovered because most studies focused only on middle or older age groups.

Sleep apnea is a condition in which a person stops breathing for at least 10 seconds, 10 or more times during an hour of sleep.

Penn State Pointers ►
Planting the Right Tree

When landscaping, you should consider how a tree suits a site and how it will look long after planting.

Factors in selecting the right tree:

TEMPERATURE



Choose a tree that is suitable for the climate. A southern tree, or a tree grown from southern seed sources, usually will not do well in the northern climate.

MOISTURE



Estimate the amount of rainfall in your area. If planting in an urban area, ask about water restrictions, or a tree surrounded by concrete or asphalt often won't get much water.

SOIL COMPOSITION



Most trees do well in neutral or slightly acidic soils. Limestone in soils or in concrete sidewalks and roads affects nearby trees. Take special care preparing site in compacted soils.

DRAINAGE



A tree that gets too much water will be unhealthy. It is important that the soil drains properly and is not swampy or too wet. Note if there's water from runoff sources.

SPACE



Big trees need big space. Analyze "growing space" to be sure there's room for root and canopy growth. Consider how a tree may affect the house climate where planted.

Graphics / Illustration: Tom Laid,
College of Agricultural Sciences, Copyright Penn State.

Visit us at

"http://aginfo.psu.edu/pspp/index.html"

Agricultural Information Services has developed a set of informational graphics. For more information or to contribute a topic suggestion, call John Wall at (814) 863-2719.

Cloning technology being used
to improve cocoa plant yield

By JOHN WALL
College of Agricultural Sciences

Scientists in a Penn State research program have developed a process to clone genetically identical cocoa trees from cocoa flowers, which could enhance cocoa plant quality on a large scale. And that, in turn, could increase cocoa farming profitability and stabilize the supply of cocoa beans on the global market.

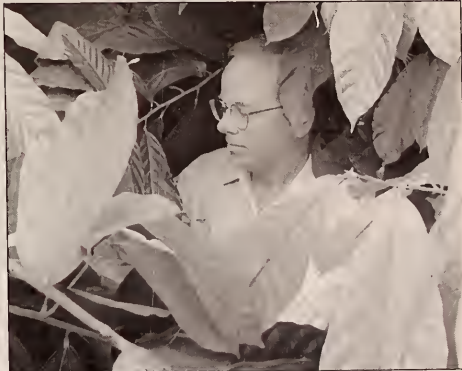
"Right now, cocoa plants are grown from seed, and these plants vary greatly in their yield and disease resistance," said Mark Guiltinan, associate professor of plant molecular biology in the College of Agricultural Sciences. "In some cases, up to 50 percent of the trees can be substandard. By selecting the best trees and producing identical clones, we potentially can increase plant productivity on farms."

Guiltinan and a team of scientists soon will begin a long-term field test of cloned cocoa plants at the Union Vale Estate on Saint Lucia Island in the West Indies (off the northern coast of South America). The estate is owned by Edmund Opler, chief executive officer of World's Finest Chocolate Inc.

The Penn State team collected flowers from 14 of the most productive cocoa trees on the estate. As a control, they also collected flowers from several of the worst trees. The flowers were flown back to University Park, where individual cells from the buds were grown into full-sized plants. Guiltinan said the process, called "somatic embryogenesis," replicates a more complete plant than those derived from grafting.

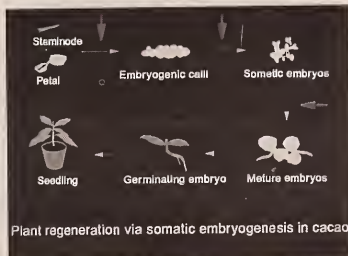
The plants produced from the flower cells have been grown in Penn State greenhouses for the past year. By June, the cloned cocoa plants will be planted in a Union Vale Estate field together with plants grown from grafts and from seed. Over the next three to five years, researchers will measure growth rates, pod production and chocolate-making quality.

"When plant breeders find a superior plant, the idea is to make more of them," Guiltinan said. "A tree grown from a single cell is genetically identical to the parent tree, so



Mark Guiltinan, associate professor of plant molecular biology, and a team of scientists are about ready to do a field test of their cloned cocoa plants, shown here growing in a greenhouse on the University Park campus.

Photo: Greg Grieco



This chart describes the cloning process used on the cocoa plants.

breeders can choose plants that are best adapted to a particular geographic area or are resistant to certain diseases."

Guiltinan says the cocoa tree cloning project on Saint Lucia will take years to implement on a large scale because the plants take four to five years to mature enough for scientists to gauge yield, production and disease resistance.

The economic implications of the research are significant. Most cocoa is grown on small farms in Brazil, Ghana, Indonesia, the Ivory Coast and Malaysia. If breeding programs can produce plants particularly well-suited for different growing areas, farmers' incomes will increase. In addition, the elimination of boom-or-



Productive cocoa plants are covered with pods. Guiltinan is working to increase plant production by cloning the higher-yielding plants.

bust crop cycles will help stabilize world cocoa production, which would benefit Pennsylvania's \$4-billion chocolate industry. Pennsylvania is the country's top chocolate-producing state.

Guiltinan's team also is starting a genetic engineering research program to breed plants resistant to disease and pests.

"Forty percent of the cocoa crop is lost to disease and pests every year," Guiltinan said. "That's billions of dollars lost to the economies of cocoa-producing countries."

Obituaries

Eric A. Balcueva, research support technologist III, Weis Center for Research, from Nov. 18, 1967, until his death March 19. He was 33.

Samuel J. Di Roberto, associate professor of accounting at Penn State Abington, from Feb. 1, 1960, until his death March 20. He was 61.

Michael A. Farrell, associate dean and director of the agricultural experiment station in College of Agricultural Sciences, from May 1, 1934, until his retirement July 1, 1969; died April 10, at the age of 94.

Betty C. Harpster, general worker in Housing and Food Services, from Sept. 15, 1948, until her retirement April 1, 1967; died April 24. She was 80.

J. Harold Hoy, janitor in Office of Physical Plant, from April 1, 1940, until his retirement Sept. 16, 1965; died March 27, at the age of 91.

Mary M. Irwin, residence hall worker, Housing and Food Services, from May 5, 1964, until her retirement Jan. 1, 1985; died March 27, at the age of 73.

L. Catherine Lucas, lab attendant B in College of Agricultural Sciences, from April 9, 1978, until her retirement June 1, 1994, died April 28. She was 64.

William J. McCarthy, associate professor of entomology, College of Agricultural Sciences, from Jan. 1, 1974, until his death March 28. He was 56.

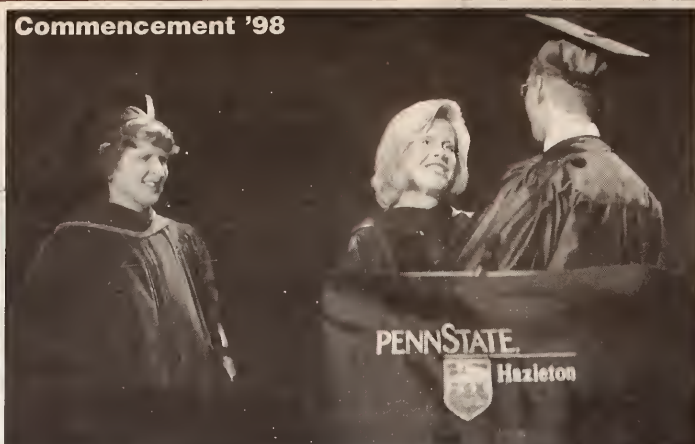
Pauline F. Penish, assistant manager of housing services, Housing and Food Services, from Nov. 14, 1974, until her retirement Jan. 1, 1992; died April 4, at the age of 66.

Pat Seni, Penn State's first coach in its women's intercollegiate athletic program, died in State College on April 22. Seni was coach of the school's first intercollegiate women's sport — field hockey — and led her 1964 team to a 4-0 record. Her teams were 11-9-3 between 1964 and 1968.

Seni, an assistant professor in the College of Health, Physical Education and Recreation, also coached the women's tennis team between 1966 and 1968 with an 11-3 record in that sport. She was a graduate of the University of Delaware and completed her graduate studies in 1962 at Penn State. Seni began her teaching career at Penn State in 1962 and retired July 1, 1993.

George A. VanHorn, associate professor of agricultural journalism in College of Agricultural Sciences, from Sept. 1, 1955, until his retirement Oct. 1, 1984; died April 11, at the age of 77.

Commencement '98



Distinguished guest

Tipper Gore, wife of Vice President Al Gore, congratulates a graduate during commencement ceremonies at Penn State Hazleton as Monica E. Gregory, director of academic affairs at Hazleton, looks on, above. Hazleton commencement ceremonies were held Friday, May 15. Photo: David C. Haupt Photography



Photo: Greg Grieco

Pomp and circumstance

D. Douglas Miller, professor of music and college marshal, leads a procession of College of Arts and Architecture graduates, with help from the college's jazz band, as they head to Eisenhower Auditorium on the University Park campus for commencement ceremonies. Ceremonies for the College of Arts and Architecture were held at University Park Saturday, May 16.

Commencement ceremonies were held for most campus locations the weekend of May 15. This spring, the University conferred 824 associate, 5,270 baccalaureate, 1,204 graduate and 110 medical degrees for a total of 7,408 graduates systemwide.

PENNSTATE INTERCOM

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University abuzz with construction

Spanier outlines building plans to the year 2002

One year into a \$500 million, five-year capital construction plan announced in 1997, Penn State is ahead of schedule and already looking at projects further down the road.

In a town meeting May 19 for business and community leaders, government representatives, planners, real estate developers and apartment owners and managers, University President Graham B. Spanier outlined progress on 20 construction projects begun this year at Penn State campuses across the state. Ten of those projects are under way and 10 more are in the design phase. Spanier also talked about 36 other projects that will go into the year 2001-2002.

The \$500 million construction program is being funded by a \$200 million, five-year pledge from the Commonwealth announced last year by Gov. Tom Ridge, funds from the University, funds that will be raised through philanthropy and funds from self-supporting operations, including residence halls.

"These projects will have a profound impact on the educational programs and quality of life at Penn State," he said. "While some of this is set in stone, most of it is not. We need to be flexible in the event that academic priorities shift, donors come forward with funding for special projects, or bids come in too high or too low."

See "Construction" on page 3



Fishbowl closed

Construction continues on the Hetzel Union Building on the University Park campus, one of several projects in full swing on the campus this summer.

Photo: Greg Gricco

Sidewalk installation may slow traffic

More than a half-mile of sidewalk will be installed between The Nittany Lion Inn and East Halls along Park Avenue on the University Park campus beginning early this month and lasting through mid-August.

The construction will cause lane closures on Park Avenue between 9 a.m. and 3 p.m., with all construction ending by 4 p.m. each day to minimize disruption during the afternoon rush hour.

This project will be coordinated with the PennDOT construction on North Atherton Street in State College, which is scheduled to begin later this month.

The sidewalk construction will include ADA-compliant curb ramps. New street lighting also will be installed.

For more information, call Paul Ruskin at (814) 863-9620.

Summer schedule changes for airport

The University Park Airport, currently undergoing a \$20 million renovation project which will add 1,750 feet to the runway's length, is operating under an altered schedule this summer to accommodate the construction. The airport will close nightly through the summer, including weekends, at

8:30 p.m. and will reopen at 6:15 a.m. From Aug. 28 through Sept. 2, the airport will shut down entirely for final paving and reopen at 6:15 a.m. on Sept. 3. After Sept. 3, the airport may still close in the evenings at 11 p.m. and reopen at 6:15 a.m. the next day until the project is complete.

New group forms to help adult learners

By LISA M. ROSELLINI
Public Information

Starting her college career at age 35 with four children to care for, Claudia Limbert knows the difficulties adult students face. But she also knows that education transformed her life from one where work in a minimum wage job seemed inevitable to a life helping others gain an education.

Now the campus executive officer at Penn State DuBois — which has an adult student population of 36 percent — Limbert has three degrees under her belt and has joined a newly formed group that will help adult learners navigate the sometimes confusing world of college.

See "Adult learners" on page 13

Tax reform act ends amusement tax

As a result of Act 50, the tax reform legislation signed into law May 5 by Gov. Tom Ridge, the State College Area school board abolished its planned amusement tax.

Penn State officials had filed court papers to have the State College Area School District's proposed amusement tax overturned, since the tax reform law was effective immediately.

The tax reform legislation provides school districts with the option of levying an earned income and net profits tax, and provides for corresponding reductions in property taxes. Also included in the new law was a section which invalidates any amusement tax enacted by a school district after June 30, 1997. The SCASD 5 percent amusement tax was approved in November

See "Tax" on page 2

Inside



New school moving forward

It looks as though a School of Information Technology is on the horizon for Penn State. For more information on a recent report issued on the topic, see page 14 or visit the Web at <http://www.psu.edu/ufs/IST/IST.html>.



Expert on Ol' Blue Eyes

Frank Sinatra's May 15 death brings to light the expertise of a Penn State Abington professor, Leonard Mustazza is in the spotlight for his work dealing with Sinatra's life. See page 15 for the full story.

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GLAD you asked

To submit a question for this column, please send e-mail to ASK@PSU.EDU. Submissions must include the name and telephone number of the person submitting the query so that *Intercom* can verify the source. For publication purposes, *Intercom* will use the initials of the individual sending the question and their campus location or department, depending on the nature of the question. Requests for anonymity will be honored.

Q: I am a Penn State employee with a toddler in child care. I would like to take advantage of the pretax dependent care flex benefits deduction. Penn State sets a maximum amount that can be deducted. My husband's employer (not Penn State) also provides a dependent care benefit with a maximum allowable deduction. Can you tell me what is the total amount that can be withheld pretax for dependent care? Is that a combined family total or just a total dollar amount per employee?

— Rebecca A. Escott
Family Living Agent, Lehigh County

A: The maximum amount that can be contributed to a flexible benefits dependent care account is limited by the IRS to \$5,000 for married couples filing a joint return or \$2,500 per individual for married couples filing individual returns. In situations where both individuals have the opportunity to contribute to a dependent care account, it is important to be certain that the \$5,000 IRS maximum is not exceeded.

Amounts contributed to flexible benefits dependent care reimbursement accounts are not subject to federal income tax or Social Security tax. However, the IRS requires participants in flexible benefit dependent care accounts to complete the Child and Dependent Care Expenses form (Form 2441) and attach it to Form 1040 when filing income tax returns.

Flexible benefit elections must be made in advance and your ability to start, stop or change the amount of the deduction is restricted by IRS regulations. Flexible benefit contribution elections are made during the open enrollment period in November, to be effective the following January. Newly hired employees may elect to participate within the first 30 days of employment. All other changes are permitted only within 60 days of a qualified change in family status. Those qualified changes are listed on the flexible benefit enrollment form and also are included in the Flexible Benefits Summary, available on the Office of Human Resources' Web site at <http://www.ahr.psu.edu>.

Any additional questions regarding flexible benefits can be directed to the Employee Benefits Division at (814) 865-1473 or by e-mail at bene@psu.edu.

— Phil Carlson
Senior Benefits Specialist

EOPC funds summer program agenda

Every summer, the Equal Opportunity Planning Committee co-sponsors and funds numerous programs across the University as part of Penn State's commitment to diversity. The list runs the gamut from programs aimed at precollege skill enhancement to transition programs for current students, to programs designed to bring minority scholars to Penn State. A listing of the 1998 summer program offerings follows:

■ **Minority Orientation Week Program;** contact Jose Rodriguez, Penn State Abington, at (215) 881-7501.

■ **Abington Summer Bridge;** contact Valeria Harvell, Penn State Abington, at (215) 881-7330.

■ **Summer 1998 Academy on Teaching and Community Service Careers;** contact Ernest Dishner, Penn State Harrisburg, at (717) 948-6530.

■ **Keep on Rising;** contact Norma Notzold, Penn State Delaware County, at (610) 892-1460.

■ **Delaware Summer Bridge;** contact Loretta Ramsey, Penn State Delaware County, at (610) 892-1274.

■ **Delaware Summer Chance Program;** contact Sharon Bryant, Penn State Delaware County, at (610) 892-1272.

■ **1998 Minority Advanced Placement Program/Women in Science and Engineering Program;** contact Kenneth Miller, Penn State Erie, at (814) 898-6111.

■ **Access to Careers in Engineering Program;** contact Maryam

Ghorieshi, Penn State Hazleton, at (717) 450-3086.

■ **Academic Enrichment and Recruitment Program for Youth with Special Needs;** contact Priscilla Johnson, Penn State Lehigh Valley, at (610) 285-5126.

■ **McKeessport Summer Bridge Program;** contact Carol Meek, Penn State McKeessport, at (412) 675-9053.

■ **Summer Set Experience (Women in Science, Engineering and Technology);** contact Carol Meek, Penn State McKeessport, at (412) 675-9053.

■ **Summer Adventures in Learning for Minority Deaf Students;** contact Janet Delany, Penn State Mont Alto, at (717) 749-6218.

■ **Females Involved from Regional Schools in Technology and Engineering;** contact Joan Begolly, Penn State New Kensington, at (412) 339-5497.

■ **Project Connections Summer Academy 1998;** contact JoAnne Haines, Penn State York, at (717) 771-4197.

■ **York Summer Bridge;** contact Monica Grigera, Penn State York, at (717) 771-4006.

■ **Summer Institute for Academic Achievement;** contact Mabel Lee, University Park, at (814) 863-1022.

■ **Commonwealth Summer Academy;** contact Shenetta Selden, University Park, at (814) 863-4374.

■ **Penn State Astronomy Campus;** contact Eric Feigelson, University Park, at (814) 865-0162.

■ **Minority Student Apprenticeships in Agriculture;** contact William Henson, University Park, at (814) 865-7521.

■ **Multicultural High School Journalism Workshop;** contact Beth Thompson, University Park, at (814) 865-1679.

■ **Nittany Science Camp for Girls;** contact Josephine Herrera, University Park, at (814) 863-2721.

■ **Visit in Engineering Week;** contact Sandra Johnson, University Park, at (814) 865-7138.

■ **Pre-Freshman Engineering and Science Summer Scholars Program;** contact Sandra Johnson, University Park, at (814) 865-7138.

■ **Minority Health Careers Program;** contact Daniel Trevino, University Park, at (814) 863-1291.

■ **Technology, Attitudes, Learning and Knowledge Project;** contact Gordon Bloor, University Park, at (814) 865-3177.

■ **English Minority Graduate Summer Orientation Program;** contact Susan Harris, University Park, at (814) 863-3069.

■ **Summer Institute on African American Traditions;** contact Clark Blake, University Park, at (814) 865-0495.

■ **Minority Scholarships for Education Abroad;** contact Margo Groff, University Park, at (814) 865-7681.

■ **Women in the Sciences and Engineering Week 1998;** contact Judi Wakhungu, University Park, at (814) 865-3342.

Tax

1997.

The specific language in the new law states: "A school district which did not assess, levy or collect an amusement or admissions tax as of June 30, 1997, may not assess, levy or collect the tax." The law goes on to stipulate that the exclusion of amusement taxes applies whether or not the school district chooses to adopt the other provisions of the tax reform plan.

"We are obviously very pleased with the new law," said Gary Schultz, senior vice president for finance and business/treasurer. "The legislature has been working for some time to eliminate nuisance taxes and provide a more sensible taxing formula. We were hopeful all along that any tax reform legislation would eliminate new amusement taxes. Even if that had not

happened, however, we were confident in our legal position."

Penn State filed suit against the State College Area School District in December, after the district voted in favor of an amusement tax on University events. The vote by the school district invalidated a previous agreement between the two parties, under which Penn State was making in-lieu of tax payments to the district. The voluntary payments by Penn State stopped after the school district terminated the agreement. The University's payments under the prior plan amounted to the funds that the school district would receive if property taxes were paid on the University's graduate housing.

School district officials say they are interested in continuing discussion with Penn State regarding an in-lieu-of-tax agreement. Penn State officials said they are willing to renegotiate the agreement.

A similar in-lieu-of agreement remains in existence with Centre County, the Borough of State College and the townships of Ferguson, Patton and Harris — all local governing bodies where the University Park campus is located. State College Area School District last year voted to reject a new settlement agreement accepted by all the other parties. Despite the school district's rejection of the settlement agreement extension, Penn State continued to negotiate with the school district and offered to increase the payments made by the University. The school district rejected these offers and instead elected to vote for enactment of the amusement tax.

University officials said they will consider reinstating voluntary payments, assuming that the other local governments agree to permit participation by the school district in the in-lieu-of agreement.

Construction

continued from page 1

There are approximately 1,300 buildings under the University's purview, according to the president, who said many of these structures are aging and in need of repair and upgrades. Here at University Park, Penn State plans to spend about \$205 million for 127 projects that will be under construction between now and the end of December; \$202 million of that money will be put back into the local economies through contracts with design firms and contractors. The \$205 million includes project costs, not just construction.

Spanier discussed plans for construction of student housing at several Penn State campuses. At University Park, near-term plans are to construct housing for 200 students with long-term plans for an additional 350. Currently under construction at Penn State Berks is phase I of a residence hall project with a price tag of \$10 million; phase II of that project will begin in fiscal year 1998-99 and cost \$6.4 million. At Penn State Erie, another residence hall is being built this year.

Spanier also provided a list of projects under consideration beyond the five-year capital plan. On the University Park campus, these included a new business administration building, a building for the School of Architecture and Landscape Architecture, a building to house the recently proposed School of Information Sciences and Technology, a general classroom building, a new biosciences building, as well as additions or renovations to Moore, Ferguson, Whitmore, Davie, Boorland, Sparks, Henderson and Willard buildings.

The 20 projects across the state in design or construction that were outlined by Spanier have a capital budget of \$174.6 million. The University-wide budget for construction only in fiscal year 1999-00 is \$155.1 million; \$102.7 million for the year 2000-01; and \$59.9 million for the year 2001-02.

Among the major University Park projects in construction now or scheduled to start this summer are:

—Leonard Building on the West Campus for the College of Engineering, which will house the industrial and nuclear engineering department, a robotics lab, an integrated industrial shop, computer labs, classrooms and faculty and administrative offices. It is now under construction and has a construction cost of \$12.5 million.

—A new research center also on the West Campus for the colleges of Engineering and Earth and Mineral Sciences. It will have lecture classrooms, faculty and administrative offices and will house the Earth Systems Science Center — Cray Computer Center, the engineering science mechanics department and the mineral economics department. It is under



Road work

One of the projects under way at University Park is the reconstruction of the south end of Bigler Road. Right now, workers are concentrating on the section up to the Pollock Road intersection. Later this summer, work will reach as far up Bigler Road as the McCoy Natatorium.

Photo: Greg Grieco

construction with a construction budget of \$14.8 million.

—A general purpose classroom connected to Thomas Building, which will form the center of a three-building classroom complex when Classroom Building II is built. It will have a 600-seat lecture hall and a state-of-the-art instructional technology system. Its construction cost is \$4.2 million.

—The indoor multi-sport facility with a 200-meter track, men's and women's locker facilities and training rooms. It also will be available for recreational running for faculty, staff and students. Its construction budget is \$16 million.

—The HUB/Robeson Center for student activities will have meeting, lounge and study rooms, an art gallery, multipurpose spaces and expanded food services. Its construction budget is \$22.9 million.

Currently in design are the Visitors Center, with a construction budget of \$1.5 million, a child care facility

(\$1.7 million); the Alumni Center (\$17 million); and White Building addition and renovation (\$7.7 million).

In addition to those University Park projects mentioned above, some larger projects across the state, either in construction or design phase, include:

—The library/classroom at Penn State Harrisburg for \$14.4 million;

—A new classroom building at Penn State Altoona, (\$8 million);

—An academic support building for the College of Medicine at Hershey for \$31 million;

—A library/classroom building at Penn State York, (\$11.9 million); and

—An auditorium and conference facility at Penn State Great Valley (\$6 million).

For a full list of projects at University Park and maps of construction areas, go to <http://www.opp.psu.edu/cnst/cnstmay.htm>

Penn Staters

William Henk, director of the Penn State Harrisburg School of Behavioral Sciences and Education, has been elected to serve as chair of the International Reading Association's Publications Committee. The association is a not-for-profit education organization with approximately 90,000 members in 100 countries. The association publishes five peer-reviewed journals including one in Spanish and one online. Its publications list features more than 100 book, monograph and video titles.

Robert Lima, professor of Spanish and comparative literature, and Fellow of the Institute for the Arts and Humanistic Studies, was the special guest of the government of the autonomous region of Galicia, Spain, during a recent international congress on the 100th anniversary of the Spanish American War.

Lima delivered an hour-long lecture at the Congreso "Galicia Nos Tempos do 98" in La Coruña, where he discussed the reactions of a group of writers known as the Generation of 1898 to the war between the United States and Spain.

Philip J. Morris, Boeing/A.D. Welliver professor of aerospace engineering and associate director of the Institute for High Performance Computing Applications, has won the 1997 Lewis Distinguished Publication Award by NASA's Lewis Research Center. Morris won the honor for a paper he co-wrote, "Noise From Supersonic Coaxial Jets, Part 1: Mean Flow Predictions, Part 2: Normal Velocity Profile, Part 3: Inverted Velocity Profile."

Obituary

John W. Beatty, director of student affairs at Penn State McKeesport since 1970, died May 16, at the age of 60.

He is survived by his wife, Jane G. Galbraith Beatty; son, Douglas Beatty of Memphis, Tenn.; and daughter, Heather Beatty at home.

In April, Beatty received the Penn State McKeesport Advisory Board Leadership Award, which recognizes not only the qualities attributed to leadership, but the willingness to commit time, effort, and in many cases, personal sacrifice for a goal.

Through the years he served as mentor, adviser and counselor to students and student organizations, including the Student Government Association and Lion Ambassadors.

He was a member of the board of directors of Mon Yough Mental Health Services and a member of the Mon Yough Alliance for the Mentally Ill, The Pennsylvania State University Alumni Association and the Pittsburgh Chapter of Parents for Lesbian and Gays.

A memorial service is planned for June 24 at 1 p.m. in the First Evangelical Free Church adjacent to campus. A memorial fund also has been established. Contributions can be made to Penn State McKeesport, with a notation that the gift is for the John Beatty Fund.

LECTURES

Mystery conference planned for June 19-21

Mystery writers, readers and enthusiasts may attend the third annual "Landscapes of Mystery" conference June 19-21 at The Nittany Lion Inn on the University Park campus.

Edgar Award-winning mystery writer Harlan Coben is this year's guest of honor. Coben, whose novels include *Fade Away*, *Deal Breaker* and *Dropshot*, also received the 1997 Shamus Award from Private Eye Writers of America and the 1996 Anthony Award. Author of the critically acclaimed Myron Bolitar series, his latest novel is *One False Move*.

In addition to Coben, the conference features Neil Albert, Eleanor Taylor Bland, Elaine Raco Chase, Joyce Christmas, Margaret Coel, George Demko, Terence Faherty, Ronald Friedman, Sara H. Frommer, Robert Greer, Lynn S. Hightower, Philip Jenkins, Cathie John, Kathryn Kennison, Stuart Krichewsky, Sujata Massey, Gary Phillips, Lev Raphael and the husband-and-wife team of Shelly Reuben and Charles King.

Literacy Institute runs June 29-July 1

Media Literacy Institute '98: Focusing the Power of Media Languages, a three-day credit course for educators, will be held at the Penn State Conference Center Hotel at University Park from June 29-July 1. The event will stimulate critical thought about all media information—from textbooks to television, advertising to cartoons, and video games to the Internet.

Offered through the College of Education, this institute is open to individuals who have earned a bachelor's degree. Two to three credits may be earned and applied toward professional development units. Leaders in edu-

The annual conference, which features panel discussions, presentations, book signings and interviews with award-winning authors, is designed to provide insight into the literary world of murder and suspense.

An added feature this year is an intensive one-day preconference workshop, "Writing a Novel," from 9 a.m. to 4 p.m. Thursday, June 18. The workshop will be led by licensed private investigator Shelly Reuben, author of the crime novels *Origin and Cause*, *Spent Matches* and the Edgar Award-nominated *Julian Solo*, which is being published as a special 10th anniversary edition this year. The workshop will focus on how to turn a blank page into a coherent, well-plotted novel or book. Preconference enrollment is limited.

For more information, call Dee Frisque, program planning associate, at (814) 865-7679, e-mail dmr10@cde.psu.edu or visit the Web at <http://www.cde.psu.edu/C&I/Landscapes/>

cation and media, including elementary and secondary teachers, curriculum coordinators, media specialists, school principals and school administrators are encouraged to attend.

Some key topics include: creative uses of media, integrating media literacy into curricula, media and role models and Internet resources. Registration must be received by June 12. To register contact: Lori Benson at (814) 863-5120. For more information, contact Ladi Semali, assistant professor of education and program director, at (814) 865-2246 or visit the Web at <http://www.cde.psu.edu/C&I/media literacy>.

African American traditions are focus of summer institute

A variety of cultural events are planned for the June 9-13 summer institute on "African American Traditions: The Legacy of the Harlem Renaissance" at University Park. The institute is being offered by the University's Institute for the Arts and Humanistic Studies, in collaboration with three academic colleges and many other University offices.

Robert Edwards, director of the institute, said the goal of the seminar is to "assess African American traditions and forecast their survival in the new millennium. In this series of summer institutes, which began last year and will continue through the year 2002, we are offering a national forum of artists for new, emerging work as well as new interpretations and perspectives on African American traditions, heritage, and artistic and cultural achievement."

Institute programs open to the public are:

■ Tuesday, June 9, 6-7:30 p.m., Paul Robeson Cultural Center. Opening address by Wilson J. Moses, professor of history and institute fellow, reassessing the legacy of the Harlem Renaissance.

Following the address will be a reception featuring the works of artist Richard Mayhew, a former Penn State art professor considered one of America's greatest living landscape painters. The reception also is at the Paul Robeson Cultural Center. Mayhew, who will return to Penn State for the reception featuring his works, has had more than 30 one-man shows. His work can be found in the permanent collections of The Whitney Museum, The Brooklyn Museum, The Art Institute of Chicago, The Smithsonian and The National Museum of American Art among others. He is professor emeritus of art at Penn State and a fellow emeritus of the institute.

■ Wednesday, June 10, 8-9:30 p.m., Lipson Auditorium, Palmer Museum of Art. Lectures on the visual arts by Floyd Coleman, professor of art and art department chairman at Howard University, and on literature by Ann duCille, professor of American and African American literature at the University of California at San Diego, and Nellie McKay, professor of American and Afro-American literature at the University of Wisconsin-Madison.

■ Thursday, June 11, 7-10 p.m., Carnegie Cinema. Screenings of "Hallelujah," a 1929 film billed as the first "all-black musical," and "Emperor Jones," a 1924 film version of the Eugene O'Neill play, starring Paul Robeson. Commentary will be provided by Charles Dumas, actor/director and associate professor of theatre arts, and Shari Roberts, assistant professor of media studies.

■ Saturday, June 13, Paul Robeson Cultural Center. Lecture-demonstration of "Dramatic Voices from the Harlem Renaissance" by Dumas and theatre arts students.

Faculty members participating in daytime seminars for registered institute attendees include Bernard Bell, professor of English and American and African American literatures; Grace Hampton, professor of art and art education and executive assistant to the provost for development of the arts; William J. Harris, associate professor of English; and Moses.

For more information on Mayhew and his work, check the Web at http://www.artnet.com/galleries/_naca.html and click on the listing for Richard Mayhew under "ACA Galleries: Exhibitions." For more information on program content, call Carl Blake at (814) 865-0495 or e-mail lahs@psu.edu. For information on seminar registration, call Lori Benson at (814) 863-5120 or e-mail ConferenceInfo@cde.psu.edu.

Faculty/Staff Alerts

Subjects needed for iron study

Most lab tests of iron status are affected by the presence of infection and/or inflammation. Recently, a new lab test called transferrin receptor was developed and shown to be a more specific and sensitive test for diagnosing iron deficiency. This lab test is not affected by either infection or inflammation. A nutrition department study by Naman Ahluwalia, assistant professor of nutrition, and Gordon Handte, laboratory director, University Health Services, is under way to establish the nor-

mal values for this new test. Subjects 20-40 years old and 60-80 years old are needed. Participation involves:

- providing a brief medical history;
- keeping a detailed record of what you eat and drink for three days; and
- providing a blood sample (one tablespoon).

Participants will receive free cholesterol screening and results on other lab tests of general iron

health; a diet analysis for adequacy of iron and other nutrients; and \$15. Anyone interested should contact Cindy at (814) 865-2786. All information is confidential.

U.S. Postal Service Web sites

Do you ever have questions about mailing? The United States Postal Service has two Web sites that can answer all of your questions on rules and regulations of mail. They are: <http://www.usps.gov> and <http://ribbs.usps.gov>.

Senator to speak at Dickinson commencement

U.S. Senator Rick Santorum will speak at the June 6 commencement of The Dickinson School of Law.

Santorum, a member of the law school's Class of 1986, and John A. Maher, a law school professor, former dean and a member of the Pennsylvania Securities Commission, will receive honorary doctor of laws degrees during the 10:30 a.m. commencement. Weather permitting, it will be held outdoors on the Dickinson College campus, adjacent to the law school. In case of inclement weather, commencement will be held in the college's Kline Center. The public may attend.

Santorum earned a bachelor's degree at Penn State in 1980, an MBA from the University of Pittsburgh in 1981 and J.D. degree from The Dickinson School of Law in 1986. He was elected to the U.S. Senate in 1994 after serving two terms in the U.S. House of Representatives. Still the youngest U.S. senator, Santorum recently was



RICK SANTORUM



JOHN A. MAHER

appointed by Senate Majority Leader Trent Lott to co-chair a Senate Republican task force on Social Security. Santorum has been an outspoken advocate of welfare and Medicaid and Medicare reform as well as reform of Congress. He is a member of

the Senate armed services, agriculture, and rules committees and the Select Committee on Aging.

Maher, who joined the law school faculty in 1973 and served as law school dean from 1989 to 1994, continues to teach but also serves as a commissioner to the Pennsylvania Securities Commission. Last year, he was appointed an honorary lifetime fellow of the Society for Advanced Legal Studies at the University of London. He is a past chair of the Pennsylvania Bar Association's Corporation, Banking and Business Law Section and chaired a task force on legal education. He is a member of the Board of Visitors of John Marshall Law School.

He has a bachelor's degree from Notre Dame, two law degrees from New York University and a certificate from the University of Virginia's graduate school of business administration. After serving in a Manhattan law firm, he held positions in major industrial corporations. He currently is chair of a New York City bank.

Poultry Science searches for department head

The College of Agricultural Sciences is conducting a national search for the position of professor and head of the Department of Poultry Science. Duties include: providing leadership and administration of programs in resident education, research and extension; assuming administrative responsibility for academic affairs, departmental personnel, physical facilities and budgets; providing effective leadership and coordination of relations within the college and University as well as serving as a liaison with the poultry industry, government and Pennsylvania citizens; promoting development and retention of quality faculty, staff and students in an interdisciplinary environment; and participating in scholarly activities involving one of the missions of the University.

Candidates must have a doctorate or equivalent academic degree in poultry science or a closely related field. Eligibility for tenured rank of full professor is required. A strong commitment to scholarly achievement and educational excellence, as well as experience in or in-depth knowledge of the teaching, research and extension/outreach missions of a land-grant university, are essential. Excellent leadership, administrative and communication skills, and interest and experience in working with the poultry industry also are essential. Administrative experience in the land-grant system is highly desirable.

For information about the department, check the Web at <http://www.psu.edu/dept/poultry/index.htm>.

Qualified people should send a letter of application; complete curriculum vitae; a statement of personal leadership philosophy; and the names, addresses, telephone numbers, and e-mail addresses (if available) of five people who may be contacted for letters of reference. Nominations and inquiries are invited.

Send information to: Roland M. Leach, chair, Advisory Search Committee, Department of Poultry Science, The Pennsylvania State University, 212 Henning Building, Dept. INT, University Park, Pa. 16802-3501; phone: (814) 865-5082; fax: (814) 865-5691; e-mail: lrn@psu.edu.

Applications will be accepted until Aug. 15 or until a suitable candidate is found. Women and minorities are encouraged to apply.



That time of year

Students Christy Millaway, left, and Jaime Schlusser weed the test gardens on Park Avenue on the University Park campus. The gardens have been planted, and are ready for visitors.

Photo: Greg Grieco

Accreditation given to Harrisburg School of Business Administration

The Penn State Harrisburg School of Business Administration has achieved accreditation from the American Assembly of Collegiate Schools of Business, the primary accrediting agency for programs in business administration and accounting.

The board of directors of the assembly voted to grant accreditation to the School of Business Administration for all of its graduate and undergraduate programs.

Penn State Harrisburg offers undergraduate programs in finance, management, marketing, professional accountancy and information systems and the master of business administration and master of information systems. A new undergraduate major in general business is pending approval from the University.

Fewer than 350 of the 1,200 colleges and univer-

sities in the United States offering undergraduate or graduate business degrees are accredited by the assembly and slightly more than 300 — including Penn State Harrisburg — have all programs accredited.

To achieve accreditation, a business school must meet a wide range of quality standards relating to curriculum, faculty resources, admissions, degree requirement, library and computer facilities, financial resources and intellectual climate. During the accreditation process, Penn State Harrisburg was visited and evaluated by business school deans, accounting educators and corporate representatives with detailed knowledge of management education, applying standards widely accepted in the educational community.

Private Giving

Several gifts benefit Smeal MBA program

Alumnus creates program fellowship

Robert A. Davidow, a 1964 graduate of Penn State and a California-based investor, has created a new MBA fellowship in The Smeal College of Business Administration through a pledge of \$150,000.

The Robert A. Davidow MBA Fellowship will be used to recognize and provide financial assistance to outstanding students. Broadening The Smeal College's base of support for MBAs, M.S. and doctoral students is a major goal in the upcoming capital campaign.

Davidow, who earned a bachelor's degree in accounting from Smeal, was named a Penn State Alumni Fellow in 1995, the highest distinction awarded by the Penn State Alumni Association. While a student at Penn State, he was inducted into the Delta Sigma Pi and Beta Alpha Psi honorary societies.

Today, in addition to his investment activities, he is vice chairman of WHX Corp., and a member of the firm's board. WHX is the holding company for the Wheeling-Pittsburgh Steel Corp., one of the largest steel makers in the United States. In addition, he has served on the board of the Arden Group Inc., which owns and operates the Gelson's and Mayfair supermarket chains in the Los Angeles area.

Long a generous supporter of Penn State, Davidow is deeply involved in community and charitable activities. He recently became associated with A Place Called Home, which offers the youth of South-Central Los Angeles a positive alternative to gang activities, and he has been active in the Fulfillment Fund, which supports underprivileged children economically and physically. He also has supported the John Wayne Cancer Society, the United Jewish Fund and numerous other beneficial organizations.

Davidow has been a member of the national board of directors of the American Society for Technion-Israel Institute for Technology and active in the society's Southern California Chapter.

A native of New Jersey, he first worked in accounting after receiving his Penn State degree. He then served as a securities analyst with Pershing & Co., Burnham & Co. and Abraham & Co., before joining Drexel Burnham Lambert, where he rose to the position of senior vice president and director of research for the high-yield and convertible bonds department before leaving to pursue private investment opportunities.

Alumnus gives \$50,000 to establish new scholarship

Scott D. Wyllie, who earned a degree in 1956 from The Smeal College of Business Administration, and his wife, Rita, of Palm City, Fla., have established a new scholarship to benefit students in the college's MBA program.

The Scott and Rita Wyllie MBA Scholarship was created through a \$50,000 endowment that will generate support to attract and retain academically superior MBA students. Scott Wyllie is a retired corporate vice president and general manager of

Couple give \$150,000 to fellowship

Smeal College MBA alumnus J. David Rogers and his wife, Patricia, of Darien, Conn., have made a \$150,000 gift to benefit the program from which he received his graduate degree.

The Rogers' gift, with a Goldman Sachs contribution of \$2,000, will be used to endow the David and Tricia Rogers MBA Fellowship. Funds from the endowment will support exemplary students attending, or planning to attend, the Smeal MBA program.

Dave Rogers, a partner with the investment banking firm Goldman Sachs & Co., earned a bachelor's degree in accounting from The Smeal College, and, while a student, he served two years as treasurer for the Penn State Undergraduate Student Government in the 1970s. While an MBA student, he was a graduate teaching assistant in accounting and led his coed football team to the intramural championship. Dave Rogers was honored with the MBA Alumni Distinguished Achievement Award in 1995.

Minority programs to gain \$100,000

Alumnus Harvey Kimmel and his wife, Virginia, of Moorestown, N.J., have donated and pledged in excess of \$100,000 in support of the minority MBA programs of The Smeal College of Business Administration.

Earlier this year, the Kimmels made a gift in excess of \$20,000 to benefit MBA students from under-represented groups. Then, this spring, the couple announced they planned additional support for minority MBAs by more than doubling their existing scholarship. Their earlier gift is being used to help in the recruitment of talented prospective students, particularly through Minority Visitation Weekend. Held annually, the weekend provides top recruits an opportunity to get a firsthand look at the Smeal MBA program, meet faculty members and current students, and get acquainted with successful minority MBA alumni. Minority Visitation Weekend has long been an essential part of the college's effort to assure a culturally and ethnically diverse MBA program.

In 1993, the couple established the Virginia Cross Kimmel Scholarship, which is meant to

He joined the Mobil Oil Corp. after earning his MBA and was a financial analyst with the energy company for two years before becoming a trader and analyst with Goldman Sachs in 1982. In 1989, he was stationed in Japan, where he set up Goldman Sachs' equity derivatives business, established a yen convertible bond department, and contributed to the building of the Equity Department in Tokyo.

In 1992, he returned to the United States to become co-head of Goldman's Equity Derivatives Department. That same year, he was made a partner in the firm. Last year, he was given responsibility for all equities trading and risk management at Goldman Sachs.

Tricia Rogers is a Penn State alumna, having earned her bachelor's degree in mechanical engineering in 1979. Tricia holds an MBA from the University of Connecticut.

The Rogers have two children, Matt and Natalie.

further diversity in the MBA program by providing needed student support.

Harvey Kimmel, a 1964 graduate of Penn State, is president of Crossway Ventures Inc., which he founded more than 15 years ago. He is a former long-time member of The Smeal College Alumni Society Board of Directors. As a businessman, he specializes in applying operational and financial organization and structuring techniques to companies seeking growth. He has been instrumental in numerous successful corporate mergers, acquisitions and venture capital transactions in the software, communications, distribution and direct marketing industries.

In addition to his position with Crossway, he also serves in leadership roles with several companies in which venture investments have been made.

The Kimmels have become very active in supporting various other charitable programs such as The Fox Chase Cancer Center and the student program at the Wilma Theatre in Philadelphia.

Reynolds Metals Company's Consumer Products Division, based in Richmond, Va. He took a sales position with the firm after he graduated from Penn State. Scott then was assigned as district sales manager in Reynolds' Pittsburgh office. From there, it was on to corporate headquarters in Richmond, where he became responsible for new product development.

He was next placed in charge of the marketing of Reynolds' household foil products before being

made national marketing manager. Following executive training at the Harvard Business School, he was named assistant general manager of the consumer products division. He retired in 1989, having spent 32 years with the firm, 11 of them as division general manager and vice president.

A native of Philadelphia, Scott Wyllie is a veteran of the U.S. Army, serving for four years immediately after high school. After he mustered out, he came to University Park to attend Penn State.

Private Giving

Spaniers donate another \$100,000 to University

University President Graham B. Spanier and his wife, Sandra, associate professor of English and women's studies, have donated \$100,000 to the University, bringing their total gift commitment to \$200,000. Their most recent gift was announced to the Board of Trustees on May 15.

The Spaniers have designated \$25,000 for immediate support in each of these four areas:

- Creation of the Philip Young Special Collections Endowment for the Libraries. The endowment honors the late Evan Pugh Professor of English Philip Young, who served as Sandy Spanier's dissertation adviser while she was a Penn State graduate student;

- Endowment of a student development fund in the musical theatre program in the School of Theatre Arts;

- Endowment of a fund to support study abroad through the Office of International Programs;

- Support for various annually funded programs.

The Spaniers had already committed \$100,000 to support programs related to children, youth development and families as part of their estate plans.

"Philip Young did so much to shape my studies as a graduate student and my subsequent career as a professor and scholar of American literature that I wanted to honor his memory in a way that would be permanent, and a library endowment seemed the ideal choice," said Sandy Spanier.

President Spanier also noted the importance of endowments.

"Both the arts and international studies are vital components of the University but all too often they lack permanent sources of funding," he said. "Sandy

and I have a strong interest in both areas, and we were pleased to be able to provide endowed support."

Graham Spanier has served as president of Penn State since 1995. He began his career as a faculty member at Penn State in 1973, and by 1982 had become a professor of human development and sociology and associate dean for resident instruction in the then-College of Human Development. He then served in senior administrative positions at the State University of New York at Stony Brook and at Oregon State University, and was chancellor of the University of Nebraska-Lincoln, 1991-95.

Sandra Spanier earned a master's degree in English from Penn State in 1976 and a Ph.D. in 1981. She taught at SUNY Stony Brook, Oregon State and Nebraska. She is the first spouse of a Penn State president to hold a faculty position at the University.

Hewlett-Packard software gift valued at \$1.1 million

The electrical engineering programs at Penn State Harrisburg have been bolstered by a \$1 million software donation from the Hewlett-Packard Co.

The license agreement between Penn State Harrisburg and Hewlett-Packard provides 12 units of microwave circuit design software valued at more than \$1.1 million. The software is the industry's solution for designing "extremely complex microwave integrated circuits," said Ali Behagi, associate professor of electrical engineering.

The software will permit senior-level and graduate electrical engineering students to design, simulate, optimize and create microstrip circuit layouts in an instructor-guided, hands-on laboratory environment. The software application includes design of cellular radios and other personal communication systems, global positioning systems, collision avoidance systems, direct broadcast satellite and video systems, fiber optics, wire-

less local area networks, radar, radio dispatch and many other applications.

Through a National Science Foundation grant for microwave test and measurement equipment which Behagi received in 1997, a wireless communications lab also has been established at Penn State Harrisburg to complement the software. In addition, to effectively use the software in a recommended platform, Penn State Harrisburg recently purchased 13 computers for the engineering programs.

The software gift and the newly established wireless communications lab have been integrated into high-frequency and microwave engineering courses which are being offered to undergraduate and graduate students in electrical engineering and electrical engineering technology. Short courses are also being developed to meet the need of local and regional industries.

Heritage tourism study gains support

A Penn State survey of the attitudes of southwest Pennsylvania-area residents toward heritage tourism — a growth industry in the region — is being supported by a grant of nearly \$74,000 from the Allegheny Heritage Development Corp. (AHDC).

Results from this, the latest in a series of tourism studies performed on behalf of the AHDC, formerly known as the Southwestern Pennsylvania Heritage Preservation Commission, will help the organization build an awareness of and pride in "heritage" among the millions of residents in the region that includes Bedford, Blair, Cambria, Fayette, Fulton, Huntingdon, Indiana, Somerset and Westmoreland counties.

According to lead researcher Deborah Kerstetter, assistant professor of leisure studies, advertising campaigns implemented by the AHDC earlier in the 1990s were primarily intended to attract non-residents to the region. The new survey will help in the development of a campaign to foster resident "ambassadors" for the AHDC's heritage tourism efforts.

"Gaining the support of area residents in drawing people to the local Path of Progress historical sites is critical," Kerstetter said, "considering that a 1995 study indicated approximately one-third of the resident population was not aware of the sites."

The Path of Progress includes heritage sites throughout southwestern Pennsylvania, focusing on locations of exceptional importance to the early settlement, industrial development and cultural practices of the Commonwealth.

Based in the School of Hotel, Restaurant and Recreation Management, the project will use more than 1,800 phone surveys of residents to determine their place identity, attitudes toward heritage tourism, knowledge about local heritage and related attractions, decision-making and visitation behavior with regard to regional heritage attractions, perceived constraints to visitation, and overall leisure behavior. Follow-up questionnaires will be mailed to respondents in an effort to obtain more information about what places they consider to be "special" in the region.

Knight Foundation aids diversity program

A Penn State diversity scholars program that has been highly successful in recruiting and retaining minority students interested in careers in journalism has received a \$120,000 grant from the John S. and James L. Knight Foundation to continue its work for the next three years.

The College of Communications created the program in 1994 with the help of a \$100,000 Knight Foundation grant. So far, each Knight scholar supported by the program has completed or continues to pursue journalism studies. The college's minority student retention rate of 90.6 percent is the highest at Penn State and well above the U.S. average.

"Recruiting, retaining and graduating the journalists of the future who can join U.S. newsmen to help news coverage reflect the diversity of America is a priority for Knight Foundation's journalism grant making," said Del Brinkman, director of journalism programs for the foundation. "Penn State appears to have created a model diversity program with an especially high retention rate. We hope this new funding will give the school time to make the program self-sustaining."

Established in 1950, the John S. and James L. Knight Foundation makes national grants in journalism, education and the field of arts and culture.

It also contributes to organizations in 27 communities where the communications company founded by the Knight brothers publishes or has published newspapers, but is wholly separate from and independent of those newspapers.

Gift will benefit performing arts

A \$50,000 gift from Penn State alumnus and Professor Emeritus Eugene G. Williams of State College will endow a new scholarship in the College of Arts and Architecture to assist talented undergraduate students majoring in the performing arts.

Williams named the scholarship in memory of his late wife, Phyllis K. Williams, and the State College Women's Club, which she served for many years.

Williams earned his doctorate in geology in 1957 from Penn State's College of Earth and Mineral Sciences. The Williamses have two children who graduated from Penn State: Flora Williams Marynak of State College and Eugene Williams Jr. of Latrobe.

Each year, the College of Arts and Architecture will solicit recommendations of possible candidates to a receive scholarship from the State College Women's Club.

Additional contributions to the Phyllis K. Williams Scholarship Fund may be made by contacting the development office, 113 Arts Building, University Park, Pa. 16802, (814) 863-2142.

ARTS & ENTERTAINMENT

AT PENN STATE



Mark your calendar

Seats are still available to see The Moody Blues in concert at The Bryce Jordan Center. Tickets for the concert, scheduled for 8 p.m. Tuesday, June 16, are \$37.50 and \$27.50 for reserved seating. For tickets, call (814) 865-5555 or (800) 863-3336.

Odyssey Through Literature

Odyssey Through Literature, a half-hour radio show produced as a continuing education service of the Department of Comparative Literature, has set its summer schedule. The summer series has been drawn from the archives:

■ **June 7:** "Tired Blues," philosophy Professor Emily Groszold discusses the lives and works of W.E.B. DuBois and Langston Hughes;

■ **June 14:** "My Own Dark Way," William Harris, professor of English, talks about the tensions and triumphs of the "box" that is African-American poetry;

■ **June 21:** "Swallowed Some Sweet Stories," Emmanuel Matateyou, Fulbright Scholar from the Ecole Normale Supérieure in Yaounde, speaks of the origins of writing and storytelling in Cameroon;

■ **June 28:** "Tales of Cold Ancestors," Pier Larson of the Penn State history department introduces the

Tantara, the fabricated oral history of Madagascar;

■ **July 5:** "Yet Do I Marvel," Adamou Kombo, of the University of Niamey in Niger, discusses the Harlem Renaissance and its effect on African writers;

■ **July 12:** "Lessons of the Tortoise," Edward Akof of the University of Yaounde, Cameroon, speaks of the Harlem Renaissance and the Black Arts Movement and the effects on Africa;

■ **July 19:** "Colonized Minds," Ab Harouna, graduate student in comparative literature, discusses the theory and practice of African literature today;

■ **July 26:** "An Instrument of Alienation," Sidney Zotwana of the University of Cape Town, South Africa, talks about the betrayal of the Xhosa culture by the church's development and control of a written Xhosa language;

■ **Aug. 2:** "This is the Voice of

Truth," Ngugi Wa Thiong'o, Kenyan novelist, poet and playwright, reads from his work in Kikuyu and discusses why it is necessary for African writers to write in their native languages;

■ **Aug. 9:** "The Buoy Boy," Stephen Belcher talks about the Nigerian writer Amos Tutuola, who "sees the new with the eyes of the old;"

■ **Aug. 16:** "Mammywater," Flora Nwapa, the first woman to publish a novel in Nigeria, reads from and discusses her novels and children's books, and talks about the status of women in Nigeria; and

■ **Aug. 23:** "A Song of Self-Praise," Kashim Tala of the University of Yaounde, Cameroon, introduces the oral literature of Cameroon.

Odyssey Through Literature airs Sundays at 6:30 on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania.

Kern exhibits

Drawings by Christine Lisowski are being shown in the exhibition area of the Kern Graduate Commons at University Park through June 14. Lisowski, an illustrator, painter and calligrapher, is a graduate of Mansfield State College and the Pennsylvania College of Technology in Williamsport. She lives in Montoursville, where she operates the Chameleon Art Studio.

Photographs from the Initiative on Assistive Technology program also are being shown in the exhibition area of Kern. This exhibit tells the story of rural Pennsylvanians who use assistive technology to work, maintain their farms, participate in community activities and enjoy family life. The exhibit, "Rural & Independent!" shows that with access to support people with disabilities can be independent and contributing members of their communities.

"Rural & Independent!" was created by Pennsylvania's Initiative on Assistive Technology, a program of the Institute on Disabilities — a state government-affiliated project at Temple University.

Images '98

"Images '98," the fine arts exhibition of the Central Pennsylvania Festival of the Arts, will be on display in the Hetzel Union Building Formal and Browsing galleries on the University Park campus from June 16 through July 17.

In its 10th year, this free exhibition features two-dimensional works and small sculptures created in 1997 or early 1998 by 50 artists. Media represented in the exhibition include oil, watercolor, acrylic, pencil, prints, mixed media, photography, sculpture and ceramics.

Sarah Sargent, director of the Second Street Gallery in Charlottesville, Va., served as juror for this year's exhibition. Sargent selected 56 works from the 292 submitted for consideration.

Gallery hours are noon to 8 p.m. Tuesday through Thursday; and noon

to 4 p.m. Friday and Saturday. During the week of the arts festival (July 8-12), gallery hours will be 10 a.m. to 5 p.m. Tuesday through Saturday; and noon to 5 p.m. Sunday. In addition, a free reception will be held in the HUB galleries from 7 to 8 p.m. Tuesday, July 7.

Death of a Salesman

Death of a Salesman, Arthur Miller's Pulitzer Prize-winning play about the American dream, will open June 19 at the Playhouse Theatre on the University Park campus.

The play will star George Dzundza as Willy Loman. Dzundza is perhaps best known for his role as Max Greevey during the first season of the hit TV series "Law & Order." He also has appeared in numerous films including "Crimson Tide" (1995), "Dangerous Minds" (1995), "Basic Instinct" (1992) and "The Deer Hunter" (1978).

Death of a Salesman is presented by Pennsylvania Centre Stage and is directed by Dan Carter, artistic director of Pennsylvania Centre Stage. Performances are scheduled for 8 p.m. June 19, 22, 23, 27 and 30, and July 1-4. Previews for students and the public are 8 p.m. June 17 and 18. Saturday matinees are 2 p.m. June 27 and July 4. Tickets are \$25 for adults and \$22 for students. Previews are \$22 and \$19.

For ticket information, visit the ticket center at Eisenhower Auditorium or call (814) 863-0255 or (800) ARTS-TIX.

New date for Diamond Rio

Country group Diamond Rio, which had to cancel its third appearance June 22 at the Community Arts Center in Williamsport, will perform at the center on Wednesday, Nov. 18.

Patrons who already purchased tickets for the June date will receive information in the mail on the new date. They will be able to either exchange their tickets for the new performance date or receive a full refund.

For more information, call the center, a part of Penn College, at (717) 326-2424.

Joan Baez to perform

Joan Baez, whose career has encompassed stages from New England coffeehouses to the 1969 Woodstock Festival, will play at the Community Arts Center in Williamsport on Tuesday, Aug. 4.

Achieving widespread public acclaim at the 1969 Newport Folk Festival, Baez went on to make numerous gold-selling albums of traditional and new folk music, including compositions by a young Bob Dylan. Baez regularly received Grammy nominations for Best Folk Recording and Best Female Vocalist, and toured extensively.

Tickets are \$25, \$20 and \$15, and will go on sale at 10 a.m. Friday, June 19. For more information, call the box office at (717) 326-2424 or the NAC Omni line at (800) 432-9382.

See "Arts" on page 9

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Saturday, June 6
 State College High School Graduation, The Bryce Jordan Center.

Tuesday, June 16
 The Moody Blues, 8 p.m., The Bryce Jordan Center.

Wednesday, June 17
 Wildlife Nightlife, 7 to 10 p.m., Wind Ridge Farm near Unionville.

"Death of a Salesman," by Arthur Miller, 8 p.m., The Playhouse, through June 18.
 For tickets, call 863-0255.

SEMINARS

Friday, June 5
 Thomas S. Huang on "Human Computer Intelligent Interaction Research at Bellman Institute," 11 a.m., 302 Pond Laboratory.

CONFERENCES

Friday, June 5
 Park Forest Elementary School, The Nittany Lion Inn.

Saturday, June 6
 Pa. Social Services Union, The Penn Stater.

Sunday, June 7
 Communication Workers of America-District 13, The Penn Stater.

Computer Internet, Findlay Commons, through June 12.

PAPPC Conference-PA AIDS, The Penn Stater.

Vietnam Veterans of America, The Nittany Lion Inn.

Monday, June 8
 Advance FFA, East Halls, through June 12.
 Institute on Aging-Temple University, The Nittany Lion Inn.

Tuesday, June 9
 FFA Activities Week, East Halls, through June 11.

Critical Clinical Issues, The Penn Stater.

"African American Traditions: The Legacy of the Harlem Renaissance," University Park campus, through June 13.

Wednesday, June 10
 Applied Research Laboratory, The Penn Stater.

Glenn O. Hawbaker Inc., The Penn Stater.

Living Trust Seminar, The Penn Stater.



Images '98

Jerusalem, Israel 1995 #112, a photograph by Bruce Bennett of Rochester, N.Y., is one of the works included in Images '98, the fine arts exhibition of the Central Pennsylvania Festival of the Arts. The exhibition runs June 16 through July 17 in the Hetzel Union Building Formal and Browning galleries on the University Park campus.

Centre Community Hospital, The Nittany Lion Inn.

CPATODA, The Nittany Lion Inn.

Thursday, June 11
 CCAP Chief's Clerks Conference, The Nittany Lion Inn.

Prime Time Health Coordinators Conference, The Nittany Lion Inn.

African American Traditions, The Penn Stater.

Industrial Research Office Buck Hunting, The Penn Stater.

Mental Imagery, The Penn Stater.

Summer Acoustics, The Penn Stater.

Friday, June 12
 CCAP Academy Workshops, The Penn Stater.

Eating Disorder Conference, The Penn Stater.

Penn State Kicking and Punting Camp, Gardens/Holuba Hall.

McCormick, Taylor & Associates Inc., The Nittany Lion Inn.

Saturday, June 13
 Penn State Elite Field Hockey, athletic fields.

Sunday, June 14
 Specialty Mushroom Workshop, The Nittany Lion Inn, through June 15.

58th Annual Physical Electronics Conference, Agricultural Science and Industries.

Penn State Lady Lion Basketball Camp I, Intramural Building/The Bryce Jordan Center.

Penn State Football Camp I, athletic fields.

USA Hockey Camp, ice rink.

Monday, June 15
 Mushroom Industry Short Course, The Nittany Lion Inn, through June 17.

Bug Camp for Teachers, Headhouse #3, through June 18.

Penn State Boys Basketball Day Camp, Recreation Hall.

Soccer Coaches Clinic, Pollock Commons.

ISBM, The Nittany Lion Inn.

Stormwater Management, The Penn Stater.

Conference on Innovative Technologies in Warehousing, The Penn Stater.

Tuesday, June 16
 Community Health Symposium, The Penn Stater.

Delta Health National Users Conference, The Penn Stater.

Contract Consultants Inc., The Penn Stater.

Physical Electronics, The Nittany Lion Inn.

4th Annual Community Health Nursing Symposium, The Penn Stater.

Wednesday, June 17
 Pa. Housing Finance Agency, The Penn Stater.

Thursday, June 18
 Pa. Aggregate and Concrete, The Nittany Lion Inn.

EXHIBITS

HUB Browsing Gallery
 "Central Pennsylvania Festival of the Arts Images Exhibition, Images '98," June 16 through July 17.

Palmer Museum of Art
 "Twenty-Fifth Anniversary Exhibition II: Modern and Contemporary Prints," through June 14.

"American Printmakers, 1920 to 1945," through June 14.

Zoller Gallery
 "Crafts National 32," an annual juried crafts exhibition, through July 19.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://itac.psu.edu/calendar/>

JUNE 5 - JUNE 18

Arts

continued from page 8

Children's art workshops

The Summer Art Workshops of the School of Visual Arts at University Park are accepting registrations for the 1998 summer program. Students ages 6 to 16 are eligible for this program, which is now more than 40 years old.

To register, call (814) 865-6570 from 9 a.m.-4 p.m., Monday through Friday. Courses are available on a first-come first-served basis. Advance registration is recommended. A materials fee is the only cost involved in the program.

"Crossing Borders" is this summer's theme, around which all courses are planned. All courses

provide art-making experiences enriched by discussions of works of art from the past and present. Each course has two student teachers and is supervised by faculty members. Students in the summer art workshops have museum and gallery experiences and are involved in a final exhibition of their work.

Artistic talent is not a prerequisite. Students assigned to an age-related course.

Workshop sessions begin Monday, June 29, in the Patterson Building (across from the Palmer Museum of Art on Curtin Road) and continue on Wednesdays and Mondays, 9 to 11 a.m., to July 29.

Neal McCoy to return

Country singer Neal McCoy will return to Williamsport to play on the Community Arts Center stage at 7:30 p.m. Wednesday, Aug. 19.

McCoy's career took off in 1994 after long years performing the country circuit when his song "Wink" zoomed to the top of the charts and stayed there longer than any other single that year.

Tickets go on sale at 10 a.m. Friday, June 12, and are \$28.50, \$23.50 and \$18.50.

For more information, call the Community Arts Center, part of Penn College, at (717) 326-2424 or the NAC Omni line at (800) 432-9382.

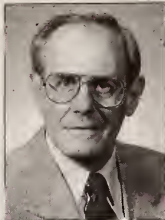
Awards

Professor earns two key national memberships

A. Welford Castleman Jr., Evan Pugh professor of chemistry, has been elected a member of the National Academy of Sciences, considered one of the highest honors for a U.S. scientist or engineer. He also has been elected a Fellow of the American Academy of Arts and Sciences, an honor given to leading scholars and professionals in science, public affairs and the arts.

Castleman is one of three chemists among 60 new members elected to the National Academy of Sciences in recognition of distinguished and continuing achievements in original research. The National Academy of Sciences is a private organization of scientists and engineers established by Congress in 1863 to act as an official adviser to the federal government in matters involving science or technology. The organization now includes 1,798 active members. Castleman also is among the 146 new Fellows elected to the American Academy of Arts and Sciences, which now includes 3,500 active fellows and 600 foreign honorary members.

His research concerns ultra-small nanoscale par-



A. WELFORD CASTLEMAN JR.

ticles and their chemical and physical behavior in the gas and the condensed, or solid, phases of matter. Reactions at this minute scale often involve new phenomena. In 1992, Castleman discovered a new class of ball-shaped molecular clusters called metallocarbohedrenes, or Met-Cars, that have since become important subjects of chemical research worldwide. As part of his research, Castleman and his team are now developing a method to stop chemical reactions at lightning-fast speeds. The technique provides a new way of observing the progress of ultrafast reactions. Castleman and his group are

applying their cluster research to important problems in materials research, atmospheric and environmental chemistry, catalysis, biochemical reactions and high-speed laser techniques.

Castleman earned a bachelor's degree in chemical engineering at Rensselaer Polytechnic Institute in 1957 and a doctoral degree at the Polytechnic Institute of New York in 1969. He joined the Penn State faculty in 1982. He was awarded the distinction of the Evan Pugh professor title in 1986. Castleman is both a researcher and a member of the advisory board for the Consortium for Nanostructured Materials, and is both a researcher and member of the executive committee of the Penn State Center for Materials Physics.

Named a Fulbright Senior Scholar in 1989, he also has received numerous other national honors and has been editor or served on editorial boards of several professional journals. Castleman is the author or coauthor of more than 470 research publications. For more information, see the Web at <http://opus.chem.psu.edu/>

Engineering professor given national award

Merwin L. Weed, professor of engineering at Penn State McKeesport, has been named the recipient of the Distinguished Service Award given by the Engineering Design Graphics Division of the American Society of Engineering Education.

The award will be presented to Weed at the society's annual conference June 28 to July 1. The award, the highest award of merit given by the Engineering Design Graphics Division, recognizes significant contributions to the division in terms of leadership, authorship or support.

The award is given annually and may be received only once. Nominations are made from the membership;



MERWIN L. WEED

the winner is selected by a committee composed of the last three presidents of the organization.

Weed joined the Penn State McKeesport faculty in 1967. Since then, he has received numerous awards for teaching, advising and service.

Since 1980, he has brought more than \$258,000 in Pennsylvania Department of Education vocational education grants to the campus to benefit the engineering and engineering technology programs.

He serves as group leader for the Mechanical Engineering Technology Program on campus and is past chairman of the Penn State program University-wide.

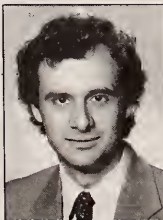
He serves as group leader for the Mechanical Engineering Technology Program on campus and is past chairman of the Penn State program University-wide.

Society lauds associate professor

Charles E. Bakis, associate professor of engineering science and mechanics, has been awarded the 1998 Outstanding Teaching Award by the Middle Atlantic Section of the American Society for Engineering Education.

The award is presented annually to an engineering educator who has broad and accurate knowledge of his/her field, and who contributes to the profession through course and laboratory development, coupled with appropriate avenues of dissemination.

Bakis has been a member of the college's faculty since 1988. He received his B.S. in mechanical engineering from Lehigh University and his M.S. and Ph.D. in engineering mechanics from Virginia Polytechnic Institute.



CHARLES E. BAKIS

Penn College honors three of its educators for excellence

Pennsylvania College of Technology announced its 1998 Distinguished Teaching Awards at commencement ceremonies in the Community Arts Center in downtown Williamsport.

The highest level of college recognition for faculty, the Master Teacher Award was presented to Keith A. Vanderlin, instructor of graphic design. Receiving Excellence in Teaching Awards were Craig A. Cian, associate professor and department head of food and hospitality management/culinary arts; and Jane E. Donovan, assistant professor of psychiatric/medical/surgical nursing.

Vanderlin joined the college in 1989 as an instructor in graphic communications. He earned a bachelor's degree from Gettysburg College in 1970, a master's degree in education from Temple University in 1972 and M.F.A. from Rhode Island School of Design in 1978.

Cian has been a member of the faculty since 1985. He earned a bachelor's degree in food service and housing administration in 1981 from Penn State and a master's

degree in education from Wilkes College in 1988.

Donovan joined the college faculty in 1991 as a learning lab assistant in nursing. She is a graduate of Winona State University with a bachelor's degree in nursing in 1977. She earned a master's degree in nursing in 1995 from the University of Portland.

The Distinguished Teaching Awards are sponsored by the Penn College Foundation, with the Master Teacher Award recipient receiving \$1,000 and the two Excellence in Teaching Award honorees each earning \$500. The distinguished teachers also receive the opportunity to work on special college projects.

Nominations are received from students and other individuals with direct knowledge of a nominee's work and dedication. Faculty are chosen from nominations by a representative selection committee which includes faculty, students, administrators and a member of the corporate advisory board and the college board of directors.

Arts and Architecture honors staff

The College of Arts and Architecture recently presented 1997 Staff Awards for Outstanding Service. The awards provide recognition to staff employees in the college whose performance on the job has been exceptional and best exemplifies professionalism and dedication to the mission of the college and the University. The 1997 winners were

Jerry Bierly, Greg Herrold and Brenda Ross.

Bierly has been the art shop supervisor in the School of Visual Arts since 1987; Herrold is the curator of pianos and organs in the School of Music; and Ross is an administrative assistant in the Department of Landscape Architecture.

Awards

Six outreach activities are cited for excellence

Six Penn State outreach activities were cited for their excellence by the University Continuing Education Association (UCEA) in 1998. Winners are:

■ **The Fundamentals of Engineering Professional Certification Review Course**, which won two awards: the Peterson's Award for Distance Education Programs and the Innovations in Continuing Education Award for Instructional Programs.

The Alfred P. Sloan Foundation awarded Penn State \$260,000 to develop Fundamentals of Engineering for delivery as an asynchronous (anytime, anywhere) learning program. The College of Engineering review course prepares engineers for the first of two exams required for certification as a professional engineer. It involves 30 videotapes covering basic engineering principles and a touch-tone phone system for communicating with instructors, checking solutions to practice homework and taking timed practice quizzes. The course is available through Penn State's World Campus.

Team members include College of Engineering instructors Jeff Cieslak, Barry Eggers, Renata Engel, David Long, Andrew Mayers, Ron Snow and Alan Stuart; Engineering Office of Continuing and Distance Education staff members Terry Reed (program director), Missy Stark and Deb Zimmerman; engineering student assistants Curtis Caldwell and Terry Dixon; Department of Distance Education staff members Fran Osseo-Asare, Eleanor Zindler and Peter K. Forster; Outreach Office of Marketing Communications staff members Patrick Besong and David Maser; and Penn State Public Broadcasting's Media Solutions staff members Patrick Mansell, Curtis Parker and Frank Wilson.

■ **The Future of Medicine**, a tri-part conference on integrating alternative and conventional health care strategies, won the Conferences and Professional Programs Exemplary Award. The College of

Health and Human Development and the College of Medicine co-sponsored the events, which featured Dr. Andrew Weil, director of the Program in Integrative Medicine in the College of Medicine at the University of Arizona. He participated in a half-day symposium for local and regional health care practitioners, an evening public lecture that drew more than 800 people and a daylong conference for medical educators. The planning committee included Georgia Abbey, senior conference planner, Conferences and Institutes; Geoffrey Conrad, account specialist, Outreach Office of Marketing Communications; David Hufford, director, The Hershey Medical Center; Jennifer Malloy and Patricia Phillips, program assistants, Conferences and Institutes; Stephanie Tyworth, program planner, Outreach Office of Program Planning; Rustum Roy, Evan Pugh professor of the solid state; and Vickie Stephens, staff assistant, Conferences and Institutes.

■ A commemorative poster for the 10th Congress of the Association of Colombianists held at Penn State in 1997 won a silver award in the poster category. The College of the Liberal Arts hosted the congress, which drew participants from the United States, Colombia, countries in North America and Europe. Leon F. Lyday III, professor of Spanish at Penn State and president of the association, was director of the congress. The planning team included Tracey D. Huston, director, Office of Outreach Communications; James Collins, graphic designer; Chuck Wilson, conference planner, Conferences and Institutes; and Carmen R. Millan de Benavides, liberal arts graduate student and congress coordinator.

■ **Best Practices in Diversity: Exploring Practical Applications for the 21st Century** brought together more than 450 student leaders, faculty members, higher education administrators, business executives, labor leaders and others from across the

nation. The conference brochure was honored with a bronze award for Visual Identification; Implementation. Penn State's Commission on Racial/Ethnic Diversity planned the conference with the College of Education in collaboration with the Committee on Institutional Cooperation, the academic arm of the Big Ten, plus the University of Chicago. The planning team included Tracey D. Huston, director, Office of Outreach Communications; James Collins, graphic designer; Roberta Moore, conference planner, Conferences and Institutes; and Charles Clark Jr., conference chair.

■ **Cybershop**, a catalog of courses available through the Computer Learning Center at The Penn State Conference Center Hotel, won a bronze award for general catalogs. Geoffrey Conrad, account specialist, Outreach Office of Marketing Communications, led the team that designed the catalog, which included Mary Kay Cole, associate director for continuing education outreach operations, Outreach and Cooperative Extension; Harold Horton, manager of instructional technology services, Computer Learning Center; Ed Donovan, director of statewide programming, Outreach Office of Program Planning; Robert Snyder, Web systems integrator, Penn State World Campus; and James Collins, graphic designer.

■ **Penn State Media Sales'** Web site won a bronze award for Excellence in Marketing and Promotion in Web page design. An Outreach and Cooperative Extension team redesigned the Web site (www.mediasales.psu.edu). Penn State Public Broadcasting's WPXS-TV also contributed to the Web site redesign. Team members included Robert Snyder, Web systems integrator, Penn State World Campus; Ed Spicer, HTML coder, Outreach Office of Marketing Communications; and Sue Oram, coordinator, Penn State Media Sales.

1998 Caldwell Award winner announced in OAS

Linda Gearhart, information systems support consultant in the Office of Administrative Systems, is this year's recipient of the Thomas R. Caldwell Service Award for Excellence.

The award honors Tom Caldwell, a senior systems analyst for 15 years in Management Services, now the Office of Administrative Systems, who died in a house fire April 10, 1991.

All OAS employees are eligible for the award. Nominees are judged on dedication to their job, interpersonal relations and outstanding job knowledge.

Gearhart, who celebrated her 25th anniversary at the University on Feb. 12, received a certificate; a wall plaque, gift certificate, a laptop computer and a luncheon in her honor. A permanent plaque listing the previous honorees is on display in the lobby of 31 Shields Building on the University Park campus.



LINDA GEARHART

Staff assistant is PSEOP award winner

Melissa A. Pressler, staff assistant VI in the Department of Chemistry, is the 1998 winner of the Outstanding Office Professional Award given by the Penn State Educational Office Professionals.

This award recognizes an office employee who has provided exceptional meritorious service on behalf of Penn State. Criteria for selecting the recipient include professionalism, leadership skills, resourcefulness, problem-solving skills, quality of work, continuous quality improvement and positive attitude.

Pressler joined Penn State in 1991 as a receptionist in the School of Forest Resources at University Park. She has served in her current position since 1993. She has been a member of PSEOP since 1994, served as its photographer, and is currently the newsletter editor. Pressler graduated in 1991 from Penn State with a baccalaureate degree in international politics, and three minors: German, history and national security affairs. She has taken graduate coursework at night and is completing her research to earn a master's degree in American history.



MELISSA A. PRESSLER

In her position, Pressler provides administrative support for 12 faculty members, the department's Nuclear Magnetic Resonance facility and the 18-member intercollege Center for Biomolecular Structure and Function, where she organizes annual fall retreats and poster sessions, and designs recruiting brochures for faculty use. Her departmental responsibilities also include overseeing the chemistry colloquium series and the chemistry newsletter. She was instrumental in establishing the Department of Chemistry Staff Awards Committee and the Department of Chemistry Staff Excellence Award.

Pressler is an active volunteer in various organizations and has taught more than 20 adult CPR, infant/child CPR, and first aid classes, and recently had the opportunity to recertify her co-workers in chemistry.

PSEOP is an organization dedicated to increasing the level of professionalism of all University office personnel through continuing development. PSEOP is open to all current and retired Penn State office employees.

Appointments

College of Agricultural Sciences announces new department head

Blannie E. Bowen, C. Lee Rumberger and Family Chair of agriculture, will head the Department of Agricultural and Extension Education in the College of Agricultural Sciences, effective July 1.

The Department of Agricultural and Extension Education conducts educational, research and cooperative extension programs in teacher and extension education in agricultural sciences, family and youth development, and related fields.

Bowen also serves as associate dean for graduate programs and senior faculty mentor in the Center for Minority Graduate Opportunities and Faculty Development in the Graduate School. As associate dean, he works with issues affecting students' completion of their graduate programs. As senior faculty mentor, he develops programs for minority tenured and tenure-track faculty. He will step down from this position when he assumes duties as department head.

Bowen joined Penn State in 1988 as the C. Lee Rumberger and Family professor of agriculture, a professorship endowed to support the teaching, research and extension programs of an outstanding faculty member in the College of Agricultural Sciences. He served as its interim head of the Department of Agriculture and Extension Education from 1990 to 1992. He also served as undergraduate programs coordinator in the department from 1992 to 1996.

Bowen is known for his work on the participation of African Americans in the agricultural sciences. He also works on research methods, and communications and instructional techniques.

Before joining Penn State, Bowen held a joint appointment at The Ohio State University in the Department of Agricultural Education and the School of Natural Resources. He began his academic career in 1980 at Mississippi State University.

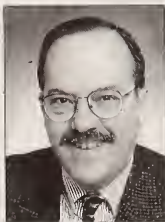
Bowen received a doctorate in agricultural education from Ohio State in 1980 and master's and bachelor's degrees from North Carolina A&T State University, also in agricultural education.

Professor to head Department of Dairy and Animal Science

Terry D. Etherton, distinguished professor of animal nutrition in the College of Agricultural Sciences, assumed duties as head of the Department of Dairy and Animal Science on May 1.

Etherton led the department's development of an internationally recognized research program focusing on endocrine regulation of animal growth. He is most noted for pioneering studies on the effects of treating pigs with recombinantly derived porcine growth hormone, and on the use of hypothalamic peptide growth hormone-releasing factor in pigs. In addition, Etherton has taught courses in animal growth and development, integrated animal biology and regulation of nutrient metabolism.

Etherton is recognized worldwide for his expertise and leadership in the area of endocrine regulation of animal growth, and is a leading authority on the safety and usefulness of agricultural biotechnol-



TERRY D. ETHERTON

ogy. He has received numerous scientific awards and, in 1996, was awarded the title of distinguished professor by Penn State.

Etherton, a native of Mason City, Ill., received his B.S. in agricultural sciences in 1971 and a master's degree in animal science in 1974, both from the University of Illinois. He received his Ph.D. in animal science from the University of Minnesota in 1978. Etherton was a National Institutes of Health Postdoctoral Fellow in the Department of Medicine at Stanford University from 1978 until he joined the faculty at Penn State in 1979.

Beaver athletic director becomes new director of academic affairs

Donna J. Kuga, associate professor of kinesiology and athletic director, has been named director of academic affairs at Penn State Beaver, effective July 1. Kuga has served as the acting director of academic affairs since July 1997.

Kuga holds a bachelor's degree in health and physical education from Penn State, a master's degree in administration of physical education and athletics from Slippery Rock University, and a doctorate in administration and policy studies in higher education from the University of Pittsburgh. She has been a member of the Penn State Beaver faculty since 1981 and was appointed director of athletics, intramural and recreational sports in 1996.

She is the author and co-author of more than 20 articles that have appeared in various professional journals and has presented papers at numerous technical and professional meetings throughout the country.

Kuga has served as co-editor of the *Pennsylvania Journal of Health, Physical Education, Recreation and Dance* and an editorial board member of the *Journal of the National Intramural-Recreational Sport Association*. In 1993 she received the Penn State Beaver Advisory Board Research Award and in 1995 she received the Outstanding Academic Adviser Award from the Penn State Beaver Student Government Association.

Kuga has been named "Coach of the Year" four times by the Penn State Commonwealth Campus Athletic Conference and once by the Western Pennsylvania Collegiate Conference.

She is a member of various professional organizations and also has been a member of numerous University search committees. In addition to her teaching and scholarly activities, she also has coached several women's athletic teams, including volleyball, basketball and softball.

Penn State New Kensington welcomes new CEO to campus

Carol A. Rush has been named campus executive officer at Penn State New Kensington. She succeeds Catherine Gannon, who served at the New Kensington campus since July 1995.

As campus executive officer, Rush will be responsible for the general administration of the campus and report to Joseph Strasser, dean of the Commonwealth College.

Before accepting this position, Rush spent several years at LaRoche College in Pittsburgh, the last three as dean of sponsored programs. She also was chairperson of the Division of Natural and Mathematical Sciences for five years.

Rush taught for six years at LaRoche College, and also has 12 years of adjunct faculty experience at area colleges and universities, including Penn State New Kensington.

While at LaRoche College, Rush served on numerous committees. She also was director of curriculum planning and implementation and director of honors.

As academic liaison to the Pennsylvania Department of Education, Rush led teams which took educational programs through the accreditation and re-accreditation processes.

Rush earned a B.S. in biology from Duquesne University in 1969, a master's degree in microbiology from Duquesne in 1971 and a doctorate in higher education administration from the University of Pittsburgh in 1978. She is a member of numerous professional organizations and holds several certifications and honors.



CAROL A. RUSH

Eberly College of Science appoints interim dean

Steven M. Weinreb, head of the Department of Chemistry and Russell and Mildred Marker professor of natural products chemistry, has been named interim dean of the Eberly College of Science, effective July 1.

Weinreb is known for his research in the synthesis of natural products and the development of new synthetic methods. He is the author of more than 150 articles, books and book chapters, including three articles this year, and is a frequent invited lecturer at universities, research institutes and industrial research centers. He has received more than 30 research grants from the National Institutes of Health, the National Science Foundation and other research foundations.

A member of the editorial advisory board of *Current Medicinal Chemistry*, the advisory editorial board of *Progress in Heterocyclic Chemistry* and the editorial board of *Archives of Pharmaceutical Research*, Weinreb also was senior editor of the *Journal of Organic Chemistry* from 1990 to 1997. He also has been a reviewer of grant applications for the National Institutes of Health and other research organizations.

Weinreb has supervised the work of more than 50 doctoral students and 41 post-doctoral students, including two National Institutes of Health post-doctoral fellows. He has been head of the chemistry department since 1994 and was named a Marker professor in 1987. He joined the University in 1978 as an associate professor of chemistry and became professor in 1980. He also taught at Fordham University from 1970 to 1975.

Weinreb did his undergraduate work in chemistry at Cornell University, received his doctorate from the University of Rochester and did postdoctoral work at Columbia University and the Massachusetts Institute of Technology.

Adult learners

continued from page 1

"I think what was most important to me as an adult learner and is now most important to me as I work in higher education is this: If we educate an adult learner, we are educating that person's family," she said. "My children went to college because I had done so and had set that expectation for them. If I had not gone to college, not only would I be working at a minimum wage job — but my four children would be standing there alongside me."

As part of the new Commission for Adult Learners, Limbert and 23 others will provide a visible support system for adult students. The group, formed in May, reports to four senior administrators and is expected to foster coordination of information about adult learners and will act as an advocate for adult learners' concerns.

"This group has been formed in recognition of the fact that across the University there is a growing number of adult learners. This is part of Penn State's vision and responsibility to provide access to its programs and resources," said William Asbury, vice president for Student Affairs and one of the four administrators who will gain valuable input from the commission. The group also will report to John Cahir, vice provost and dean for undergraduate education; John Romano, vice provost and dean for enrollment management; and James Ryan, vice president for outreach and cooperative extension.

"Despite national growth in the adult learner population, Penn State has experienced a slight decline in its adult learner enrollment," Asbury said. "We need to identify the obstacles that may be deterring adult students and provide new initiatives that target adults and help make their transition to the classroom smoother."

Nationwide, in 1997, approximately 43 percent of the country's more than 14 million college students were age 25 and older, according to the U.S. Department of Education. These 25-year-old-plus learners are attending college at a rate higher than that of their 18-year-old counterparts.

The reasons adult learners are returning to the classroom vary, according to Charlene Harrison, director of Penn State's Center for Adult Learner Services, but the continued loss of manufacturing jobs and the desire to create new career options and financial gains play a large role in the decision to seek additional education.

"As economic dislocation continues, more and more people are looking to higher education to help them upgrade their skills and improve their employability and their incomes," Harrison said. "Their life experiences, which are more varied and more extensive than those of traditional-age students, make them a more heterogeneous group. We need to recognize this, be sensitive to their needs and work toward making our programs and resources reflect their understanding of their particular circumstances."

Initiatives such as the ongoing reorganization of the University's campus system and the creation of its World Campus — a virtual campus where learning is accomplished via the Internet or other new technologies — are focusing heavily on adult learners who are location-bound and have other obligations that require more flexible course schedules.

"More options are needed for adult learners rather than the 8 a.m.-to-5 p.m. schedule that universities tend to follow," said Ron Nwraniski, commission member and financial aid adviser. "The day-to-day financial problems that adults encounter, such as mortgage and child care costs, need to be addressed as well as scheduling conflicts."

Commission members believe that Penn State's



Never too old to learn

An unidentified older student listens attentively during a class. The new Commission for Adult Learners has been designed to be a support system and an advocate for adult students.

multi-campus system is one of its greatest strengths, allowing adults to earn degrees from a local campus. But members say that overall the University must alter policies and procedures to meet the changing needs of its changing student population.

"Penn State is extraordinarily well-organized with policies in place to govern all types of issues, but those policies are mostly aimed at traditional-age students," said Romano. "The first real challenge of this commission is to identify those practices and procedures that have, over time, unwittingly been aimed at traditional-age students. Then we must find a way to alter or eliminate them."

Romano said this is a University-wide initiative that will require cooperation and collaboration.

"Penn State has great potential to reach out to the communities and serve adult learners extremely well," Romano said. "Some campuses already do it very well. But we need to provide opportunities to share this information and illuminate those best practices."

In the 12-campus Commonwealth College alone, more than 28 percent of its nearly 14,000 undergraduate student population is adult learners. University-wide, 16 percent of the undergraduate student body is 24 years old or older, with Penn State Harrisburg attracting the most adult learners (61 percent) and Penn State Shenango following with 54 percent. Other popular Penn State locations for adult learners include York at 47 percent and Penn State Fayette at 39 percent.

Some of the areas and obstacles affecting adult learners that will be more carefully scrutinized by the commission were pointed out in a 1990 task force report. In the report, it was noted that adult learners are at a disadvantage when selecting courses and are relegated to non-degree status. They are also subject to more rigorous academic standards for maintaining continuous enrollment and have few opportuni-

ties to receive credit for life experiences that could prove more valuable than an academic offering.

The commission plans to revisit that report and use it as a guidepost for change. As part of this examination of the status of adult learners, the commission also will look into financial incentives for adult learners, such as scholarships and fellowships. Creating ongoing programs — such as training to educate administrators, faculty and staff about the needs of adult learners — is also high on the commission's list. Providing financial incentives for experimental programs, program expansion and enrichment courses for adult learners is a priority.

In addition to ensuring that academic policies do not interfere with learning, enhancing campus/student life, and improving advising, counseling and information support systems should be addressed, according to commission members. In the future, the commission plans to seek funds to conduct market research on adult learners.

"Adult learners can contribute a great deal to the University. They raise the bar and set higher standards," said Shirley Hendrick, chair of the new commission.

Hendrick, who herself earned three degrees as an adult learner, also is associate dean for continuing and distance education in The Smear College of Business Administration. Hendrick said response time is especially critical to adult learners and the University must move quickly to accommodate the demographic revolution — a steady increase in the adult learner population.

"I'm still pinching myself over the formation of this commission," she said. "This is an exciting initiative for Penn State and adult learners clearly need our support."

For more information on the commission, contact Hendrick at (814) 863-2479.

Moving toward reality

School of Information Sciences and Technology taking shape with input from industry, faculty

By BARBARA HALE
Public Information

President Graham B. Spanier's vision of a fresh Penn State approach to addressing the compelling societal needs in information sciences and technology took a giant step toward realization in May and is now moving through the stage of faculty consultation and Faculty Senate review.

In May, the Information Sciences and Technology Strategic Planning Group submitted its report. The group recommended the creation of a new School of Information Sciences and Technology with 30 core faculty members and 15 with joint appointments at University Park, plus 25 new faculty members at other Penn State locations. The report can be found on the Web at <http://www.psu.edu/life/IST/IST.html>

Spanier distributed the report to the Board of Trustees at its May meeting and said that the new school will be one of the most significant developments in the University's history. The board will consider a formal proposal on the new school at its September meeting.

The new school is being designed, with industry participation, to meet America's needs for new workers to address the explosion in information sciences and technology professions. The *Philadelphia Inquirer* reported that, according to a survey conducted by the Information Technology Association of America, at least 346,000 "core" U.S. information technology jobs are vacant. In addition, demand for programmers, systems analysts and computer engineers is going up, while the number of undergraduates earning U.S. computer science degrees has declined 43 percent since 1986.

On May 7, in a question-and-answer session offered by the Strategic Planning Group via satellite to faculty members at most campuses, David Wormley, dean of the College of Engineering and a member of the Strategic Planning Group, said many industries, not just computer manufacturers, will want to recruit program graduates. He said the situation represented an excellent opportunity for philanthropic activity.

The Strategic Planning Group estimated that permanent general funds in the new school would need to grow to \$7 million at University Park in five years. There also is a need for a centrally located, state-of-the-art building to showcase the range of interests at the school and to serve as a place for industry partners to gather and share ideas.

Planning members stress that work on the new school is just beginning. Neither all of the courses nor all of the new faculty members will be in place by next fall, the proposed opening date.

Wormley estimated that over a five-year period, beginning in August 1999, the new school would draw an additional 1,000 students to University Park, plus another thousand to other Penn State locations, providing new tuition revenue. Tuition differentials also are being considered because of the higher cost of educating students in technology fields. The Strategic Planning Group estimated that tuition and fees from increased student enrollment could cover part of the permanent operation costs after the second year.

The group stressed in its report that the school be a "University-wide initiative." The report recommends creating a coordinating council, chaired by the dean of the new school, to facilitate collaboration and coordination of curricular offerings at the various Penn State locations. Other major report recommendations are:

- New educational opportunities leading to associate, baccalaureate and graduate degrees, as well as minors and certificates;
- Interdisciplinary approaches that capitalize on Penn State strengths at all locations;
- A fundamental academic core that stresses analytical and problem-solving abilities, and builds strong communications, teamwork and project management skills;
- Leading-edge research and outreach programs, including distance education and the World Campus;
- Strategic partnerships with industry and government; and
- Positive impacts on economic and workforce development.

"Penn State's faculty and other resources at multiple campuses across the Commonwealth provide a unique opportunity to address teaching, research and outreach needs in a highly integrated manner covering a wide range of educational programs in the information sciences and technology," said Rodney A. Erickson,

vice president for research and dean of the graduate school who chaired the Strategic Planning Group.

In the question-and-answer session, John Harwood, director of education technology services in the Center for Academic Computing and a member of the Strategic Planning Group, emphasized that work on the concept for the new school was just beginning and much remains to be done. He said neither all of the courses nor all of the new faculty members could be expected to be in place by next fall, the proposed opening date. Input and participation from current faculty will be vital to getting the school off to a good start.

Faculty input on the information sciences and technology unit concept was sought through a story in *Intercom* on April 23, soon after the Strategic Planning Group was formed. The Strategic Planning Group held two open meetings at University Park, in addition to the meeting broadcast to the campuses, after its report was completed.

Currently, the proposal for the new school is making its way through reviews by 10 Faculty Senate committees including admissions, records, scheduling and student aid; curriculum affairs; computer and information systems; faculty affairs; intra-University relations; libraries; outreach activities; research; undergraduate education; and University planning. The committees are scheduled to send their reports to the Faculty Senate Council by June 30. The council will vote on the recommendation for the new school at a special meeting on July 15.

Members of the Strategic Planning Group included Gary Augustson, vice provost of Information Technology; Terri Brooks, dean, College of Communications; Nancy Eaton, dean, University Libraries; Erickson; David Goldenberg, campus executive officer, Penn State Mont Alto; Barbara Grabowski, professor-in-charge, Instructional Systems Program; Harwood; Elizabeth Hawthorne, associate dean, academic affairs, Penn State Berks-Lehigh Valley; Mary Jane Irwin, professor of computer science; Dale Miller, professor and head, Department of Computer Science; David Russell, head of the Division of Engineering, Penn State Great Valley; Susan Shuman, administrative fellow, Office of the Executive Vice President and Provost; James Thomas, senior associate dean, The Smell College of Business Administration; and Wormley.

Five named CIC Fellows

Five University faculty members have been named Fellows in the Academic Leadership Program sponsored by the CIC, the Committee on Institutional Cooperation. The CIC is the academic arm of the Big Ten, plus the University of Chicago. Through the Academic Leadership Program, administrators and faculty leaders who have been identified as CIC Fellows can gain insight from others in similar situations and develop the leadership and management skills necessary to overcome obstacles. The following individuals have been named fellows for 1998-99:

— Leonard J. Berkowitz, associate professor of philosophy at Penn State York and 1998-99 chair of the University Faculty Senate;

— Don Bialostoksy, professor and head of the Department of English, College of the Liberal Arts;

— Elizabeth M. Hawthorne, associate dean for academic affairs at Penn State Berks-Lehigh Valley and acting associate dean for faculty in the Commonwealth College;

— Joan M. Lakoski, associate professor of pharmacology and anesthesia in the College of Medicine and 1998-99 Administrative Fellow; and

— John D. Swisher, professor of education and head of the Department of Counselor Education in the College of Education.

The CIC Academic Leadership Program is specifically designed to meet the challenges of academic administration at major research universities such as tightening budgets, changing student populations and increasing pressures from external sources. The fellows program helps to develop the leadership and managerial skills of faculty on CIC campuses who have demonstrated exceptional ability and administrative promise.

Promotions

Staff

Albert J. Roza, project assistant in College of Agricultural Sciences.

Lisa J. Sharkey, assistant financial officer I in College of Engineering.

Diane E. Shoop, director, Pennsylvania State Data Center at Penn State Harrisburg.

Darlene A. Sidwell, human resources aide II in College of Arts and Architecture.

Scott A. Smith, director in Computer and Information Systems-Administrative Systems.

Sandra L. Stauffer, staff assistant VIII in Commonwealth College.

Allen G. Strickler, research technologist in Eberly College of Science.

Simon Tarr, assistant chief engineer for multimedia production, development and support in College of Communications.

Tiny tree crab made fast evolutionary leap

By BARBARA K. KENNEDY
Eberly College of Science

The world's most land-loving crab, a thin and delicate Jamaican species that spends its entire life in a tree, made a surprisingly rapid evolutionary transformation from its large and rugged ocean-dwelling ancestors, according to genetic research by an international team of biologists published in the May 28 issue of the journal *Nature*.

"These very unusual crabs, which are the most terrestrial of any in the world, live in little pockets of rainwater inside bromeliad plants, which grow on the branches of tropical trees," said S. Blair Hedges, an evolutionary biologist at Penn State and a member of the research team.

The tiny bromeliad crabs are less than an inch long and are thin enough to squeeze between the leaves at the base of the bromeliad plant, where rainwater collects. The researchers say these crabs are by far the most attentive mothers of all known crab species.

Because the bromeliad crab looks and behaves so differently from its ocean-dwelling neighbors, scientists thought the two species must have required a long time to evolve from their last common ancestor — on the order of 50 million years or so. Other scientists thought the tiny crab might have migrated from Southeast Asia or Indonesia, where there are some freshwater species that also care for their young,



The Jamaican bromeliad crab, with its small (one inch), flattened body and sophisticated parental care, is the most terrestrial of all crabs. Yet new evidence shows that it and its close relatives on Jamaica evolved in only a few million years from a marine ancestor.

Photo: S. Blair Hedges

although not to the unusual degree of the bromeliad crab.

"We decided to find out how the Jamaican land crabs are related to other species and when they came to the island by looking at their genes," Hedges said. "We found that the bromeliad crab — and also the eight other species of Jamaican land crabs — are not related to crabs on the other side of the world but have evolved from one common Jamaican marine ancestor very recently — only 4 million years ago."

The research team includes Hedges; Christoph D. Schubart of

the University of Southwestern Louisiana; and Rudolf Diesel of Bielefeld University in Germany. Schubart collected 22 crab species from Jamaica and surrounding areas, including Venezuela and Panama, then brought them to Penn State for genetic research.

The genes used in the study have accumulated mutations at a fairly constant rate relative to one another during their evolution, so the researchers could use the changes like the ticking of a molecular clock to trace the history of each species back to its origin.

The scientists calibrated this molecular clock to an evolutionary event well established by geological studies, the closing of the Panama land bridge between North and South America 3.1 million years ago that separated species of marine crabs into two breeding groups — those living on the Caribbean side of Panama and those living on the Pacific side.

"We found that these Jamaican land crabs began evolving only 4 million years ago, so their evolution has been quite rapid," Hedges said. "This date makes sense because it corresponds to a time in Jamaica's geologic history when the land had risen far enough out of the sea to provide new ecological niches for the ancestral marine crab that began evolving strategies for living entirely on the land."

Hedges said the team found that the closest relative of the Jamaican terrestrial crabs is a Jamaican marine crab.

"Jamaican land crabs look and act very different from Jamaican marine crabs, yet they have been evolving separately for the same amount of time as the marine crabs we used for our calibration on either side of Panama, which have remained almost identical," Hedges said. "Such rapid adaptation to a new ecological niche and rapid radiation of new species is not common in nature, but it apparently has occurred much more quickly than we had thought possible in these Jamaican terrestrial crabs."

Professor's Sinatra research a boon to national media outlets

By NANCY CRAEB
Penn State Abington

Leonard Mustazza knew something was wrong when his phone rang at 4:30 a.m. on May 15. "The first thing that goes through your mind is that something happened to a family member," he said. "And in a way, that's what it was."

The call was from a producer at CNN, who informed Mustazza that Frank Sinatra had died of a heart attack. She requested that Mustazza have a quick cup of coffee and get himself ready for a grueling day of television interviews. After all, Mustazza, associate dean and professor of English and American studies at Penn State Abington, is one of the nation's top Sinatra experts and had published his second Sinatra book just a month before *Ol' Blue Eyes*' death.

By the end of the day, Mustazza had been interviewed by CNN three times — as well as by more than a dozen other local and national media outlets — in addition to playing a major role in Abington's commencement exercises.

"It was an exhausting day, but I was glad to talk about Frank's legacy to American music and popular culture," said Mustazza, who also served



LEONARD MUSTAZZA

as an MSNBC commentator on the day of Sinatra's funeral. "He really was a working class hero — a person who proved the American dream can come true coming from a humble beginning."

Mustazza, himself one of the star's biggest fans, has focused much of his recent work on Sinatra. In 1994, he co-edited the acclaimed

Frank Sinatra Reader (Oxford University Press) with Abington political science instructor Steven Petkov. This April, he published *Ol' Blue Eyes: A Frank Sinatra Encyclopedia* (Greenwood Press) and later this year will publish an additional one: *Frank Sinatra and Popular Culture: Essays on an American Icon* (Greenwood Press). A third text, *Frank Sinatra: An Annotated Bibliography, 1939-1998* (Greenwood Press) will likely appear in early 1999.

Ol' Blue Eyes: A Frank Sinatra Encyclopedia is a must-read for Sinatra fans and music lovers in general. The book details Sinatra's extensive creative accomplishments — songs, albums, movies, radio, television and video — and includes relevant biographical information. It also contains the first published listing of Internet resources on Sinatra, a thorough bibliography listing additional resources and numerous little-known tidbits. The book notes, for instance, that despite Sinatra's heartfelt crooning, he hated the hit song "Strangers in the Night" and avoided singing it live for most of his career. Mustazza grew up listening to the "Chairman of the Board" in an Italian-American neighborhood in Bronx, N.Y., where Sinatra was considered a local hero. And while he has published widely on literature and popular culture issues, he admits he favors his writings on Sinatra.

"I've loved every minute of it," he said, adding that Sinatra is the only American performer whose work spans seven decades (1930s through 1990s). "He was more than somebody with a nice voice. With Frank Sinatra, you're looking at somebody who endeared himself to audiences and kept the attention of the media for more than 60 years. In popular culture, that is really unequalled."

Penn State named to NASA's virtual institute

Penn State is one of 11 academic and research institutions selected by NASA as the initial members of the agency's new Astrobiology Institute. The selected institutions represent the best of 53 proposals submitted, according to NASA officials.

In a search for signs of life in the universe, NASA has developed the Origins Program, of which the Astrobiology Institute is a major part. The institute will foster the interdisciplinary research and training necessary for future exploration of this theme.

This is the latest for the University in a series of high-profile affiliations with NASA. In February 1996, Henry McDonald, former assistant director for computational sciences at the Applied Research Laboratory and professor of mechanical engineering, was named director of the Ames Research Center. In October of that same year, Robert J. Hansen, chief scientist at the Applied Research Laboratory, was named associate director of Ames Research Center to serve as director of NASA's Center of Excellence in Information Technology and of Ames's Information Technology Directorate. This "virtual corporation" involving Ames and the other NASA field centers is working to develop solutions to NASA's present and future information technology needs.

Most recently, James Pawelczyk, assistant professor of physiology and kinesiology, flew aboard Space Shuttle Columbia as a payload specialist for NASA's Neurolab mission.

Because Astrobiology Institute members will remain at their home organizations, the partnership among the members and NASA will be carried out primarily via the Internet. This "virtual" institute will bring together astrophysicists, biologists, chemists, physicists, planetologists and geologists to conduct interdisciplinary research on the multifaceted issue of life in the universe and its cosmic implications. It also will help

to train young scientists in this emerging field.

"These initial members of NASA's Astrobiology Institute will be at the forefront of the increasingly important link between astronomy and biology," said Daniel S. Goldin, NASA administrator. "The 'office hallways' of this virtual institute will be the fiber optic cables of the next generation Internet."

Penn State is a leader in the development of the next generation Internet, or Internet 2. President Graham B. Spanier is a member of the board of trustees of the University Corporation for Advanced Internet Development, a formal organization to support Internet 2 members as they develop the broadband applications, engineering and network management tools for next generation Internet use.

Astrobiology Institute members will be supported for an initial term of three to five years, with the opportunity to compete for membership on a five-year cycle. The institute will sponsor conferences, produce publications, establish visiting faculty positions and implement a new postdoctoral program designed to facilitate interdisciplinary and collaborative communications among its far-flung researchers. Funding for the institute will begin with \$9 million in 1999 and increase to \$20 million in 2000.

In addition to Penn State, initial members of the institute are: Harvard University; University of California, Los Angeles; University of Colorado, Boulder; Arizona State University; Carnegie Institution, Washington, D.C.; The Scripps Research Institute, La Jolla, Calif.; Woods Hole Marine Biological Laboratory, Woods Hole, Mass.; Ames Research Center; Johnson Space Center; and the NASA Jet Propulsion Laboratory.

For more information, check the Web at <http://astrobiology.arc.nasa.gov>.



Sit back and listen

Mark Light-Orr, graduate assistant in theatre arts, took advantage of the nice weather and held his Theatre 102 class outside recently on the University Park campus.

Photo: Greg Grieco

HUB shooter gets 30-60 years in jail

Jillian Robbins will serve 30 to 60 years in state prison for the Sept. 17, 1996, shooting on the University Park campus that left one student dead and one wounded. The shooting took place on the lawn of the Hetzel Union Building.

Robbins pleaded guilty May 23 to third-degree murder in the killing of student Melanie Spalla, 21, of Altoona, and attempted murder in the wounding of student Nicholas Mensah of Philadelphia. Robbins did not know the victims.

Robbins, who was 19 at the time and not a Penn State student, came onto campus with a rifle, hid in some bushes and began shooting. She fired five rounds before Brendon Malovrh, another student, disarmed her.

Court briefs filed in September 1997 on Robbins' behalf state that she suffers from major recurrent depression, borderline personality disorder, dysthymic disorder, post-traumatic stress disorder and dissociative disorder.

For the Record

In an April 23 item on recruiting iron-deficient research participants, Gordon Handte's title was listed incorrectly. Handte is the laboratory director in University Health Services on the University Park campus.

Carpooler

Vanpoolers (4) wanted from Phillipsburg area to University Park. Work hours are Monday through Friday, 7:30 a.m.-4:30 p.m. Call Stacie at (814) 865-3448.

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■ General education rules are changing



Learning laboratory

In the future, undergraduate students like Amy Carr (left), Tom Trexler and Tara Begeman, shown above in Fenske Laboratory, may experience changes in the general education courses offered at Penn State. New general education guidelines will be phased in over a four-year period and academic units are being asked to review their old general education offerings by November of this year.

Photo: Greg Grieco

Academic units must develop plans to meet new guidelines

By ALAN JANESCH
Public Information

The University's colleges, major departments and other academic units have between now and early November to develop and submit comprehensive four-year plans for making sure that their general education courses conform to the new general education program.

The review of the courses, however, will take place over a four-year transition period, and during that period students will still be able to take and get credit for courses that currently meet the old general education guidelines — as courses meeting the new requirements are phased in.

Still, the colleges and other units need to take the Nov.

Need more?

Feedback on the guidelines can be sent to GEIC via e-mail at geic@psu.edu. For more information, point your Web browser to <http://www.psu.edu/ufa/geic/>.

2 deadline seriously, said John Bagby, a professor of business law and chair of the University Faculty Senate's General Education Implementation Committee (GEIC). It's expected that some existing general education courses might continue to meet the new guidelines, but the colleges won't be able to offer them to students after the four-year phase-in period, unless the courses successfully go through a recertification

process.

Colleges will get initial feedback on their comprehensive plans by Dec. 1 and will be able to make their first new course submissions any time after Jan. 1, 1999.

"The colleges have the responsibility to review their

See "Education" on page 2

Two receive University's highest honor

Robert D. Hume, the Edwin Erle Sparks professor of English, and Alexander Wolsczkan, distinguished professor of astronomy and astrophysics, have been named Evan Pugh Professors, the highest honor Penn State bestows on a faculty member.

Evan Pugh professorships are awarded to faculty members whose "research publications or creative work or both have been of the highest quality over a period of time and who show evidence of having contributed significantly to the education of students who later achieve recognition for excellence."

Hume is the new Evan Pugh professor of English in the College of the Liberal Arts. With research spanning 150 years of theatre history, his achievements have earned him an international reputation in the history of literary criticism, opera and drama, and he is widely recognized as the foremost living historian of Restoration and 18th-century theatre.

He has rediscovered lost manuscript "Evan Pugh" on page 2

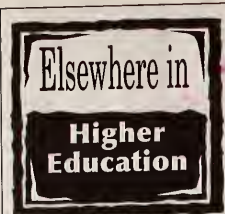
Court rules in favor of Penn State in Hershey tax case

The University's status as an instrumentality of the Commonwealth that is immune from taxation was upheld June 12 in a decision written by Judge Rochelle S. Friedman of the Commonwealth Court of Pennsylvania. This decision rejected an appeal by Dauphin County and the Derry Township School District of a Dauphin County trial court's earlier decision that they could not include The Milton S. Hershey Medical Center on their tax rolls beginning in 1993.

Legislation passed in November 1997 specifically exempts Penn State from any future property tax claims, but the Dauphin County case involved tax years prior to the legislation's effective date.

The trial court had held that The Hershey Medical Center was an integral part of Penn State, making it immune from taxation. In the opinion written by Judge Friedman, a majority

See "Tax status" on page 3



The following information was gleaned from the internal publications of the institutions mentioned.

■ Syracuse University will divide the \$1.8 million it received from its Dec. 31 Fiesta Bowl appearance among several academic, student service and athletic projects. About one-third of the funds will go toward on-campus projects, including equipping 10 general purpose classrooms with high-end teaching technologies. In addition, money will be used to create more classroom space and establish a fund to support student-faculty interaction. The Athletics Department will use some of the funds to endow student-athlete scholarships; construct a new softball field; support the ongoing replacement of the Carrier Dome roof; and purchase an air-inflated practice bubble facility.

■ The Chicago Community Trust has awarded a \$25 million grant — the largest to a single institution in its history — to Northwestern University. The grant will support a major expansion in the life sciences, providing funds for faculty and their research in fields such as genetics and developmental biology; molecular medicine and gene therapy neuroscience; and structural biology.

■ At Harvard University, nearly 80 percent of students admitted to the Class of 2002 have chosen to enroll — the highest yield since the early 1970s. Yield is the percentage of admitted candidates who decide to accept an offer of admission. It is considered a measure of a school's competitiveness. The 2,073 students admitted to the Class of 2002 were selected from a pool of 16,819 applicants.

■ Johns Hopkins University has surpassed its \$900 million initial fundraising goal nearly two years ahead of schedule and has now set a \$1.2 billion target. The campaign is still expected to conclude in the year 2000.

■ Five women with Harvard University ties, in partnership with the university, have established a \$15 million matching fund to encourage other women to make significant gifts to the university.

Evan Pugh

continued from page 1

Scripts, plays and theatre rosters of importance to scholars. In less than 30 years, he has published 13 books and 120 articles, with topics ranging from the early career of Henry Fielding to Italian opera in 18th-century London. Oxford University Press will soon release his latest work, *Archaeo-Historicism: Constructing Contexts in Literary and Cultural Studies*, and several other books are scheduled for release by the end of the century.

Hume has taught 33 different courses in the English department during his career and has directed the largest number of doctoral dissertations in the department.

The quality of Hume's work also has been recognized by external funding agencies. In 1983 and 1984 he received a Guggenheim Fellowship. From 1990 to 1993 Hume, along with two others, held an NEH interpretive grant in order to write the first of their collaborative books about Italian opera in late 18th-century

England.

Hume earned his Ph.D. from the University of Pennsylvania in 1969. In the past, he has held positions at Cornell University. He joined Penn State as professor of English in 1977, became distinguished professor of English in 1990, and was named the Edwin Erle Sparks professor of English in 1991.

Wolszczan, the new Evan Pugh professor of astronomy and astrophysics in the Eberly College of Science, is the discoverer of the first planets ever found outside our solar system. His discovery, which suggested that planets may be plentiful throughout the universe, opened the door to the current intense era of planet hunting.

Among the innovations developed in Wolszczan's lab is the Penn State Pulsar Machine, a tool now in use at the Arecibo Observatory of the National Astronomy and Ionosphere Center that yields precise information on the physical properties



ROBERT D. HUME

of rapidly rotating neutron stars.

Wolszczan's research has been supported by grants from a variety of national sources, including NASA. Among his many awards, he received the Commander Cross of the Order of Merit from the president of Poland in 1997, both the Casimir Funk Natural Sciences Award from the Polish Institute of Arts and Sciences in America and the Beatrice M. Tinsley award from the American Astronomical Society in 1996. The Penn State Faculty Scholar Medal for Outstanding Achievement in 1994 and the Alfred Jurzykowski Foundation



ALEXANDER WOLSCZAN

award in 1993.

Wolszczan received a master's degree in astronomy in 1969 and a doctoral degree in physics in 1975 from the Nicholas Copernicus University in Torun, Poland. He held faculty positions there until 1979, when he joined the Polish Academy of Science. In 1983, he joined the research staff of the Arecibo Observatory in Puerto Rico. He was a visiting professor at Princeton University before joining the Penn State faculty as professor of astronomy and astrophysics in the fall of 1992. He was named distinguished professor of astronomy and astrophysics in 1995.

Education

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old general education courses, assess whether they will meet the new general education guidelines, and if necessary revise their existing courses or develop new courses to replace the old ones," said Bagby. "Do the courses meet the new active learning components? Do they have enough sections of each course? Those are the kinds of questions the colleges will have to address."

It's a "giant workload," Bagby acknowledged. But the four-year transition period will give the colleges ample time to make sure their courses are in good shape, he said.

According to interim, preliminary guidelines unveiled by GEIC at a recent University Faculty Senate meeting, the colleges need to:

- Submit all courses for the new "knowledge domain" curriculum — which focuses on learning in key knowledge areas — for approval to the general education subcommittee of the Senate's curricular affairs committee. No courses will be automatically transferred to the new program or otherwise grandfathered in.

- Ensure that general education courses conform to the current definition of general education and include at least three of five "active learning

elements" outlined in the new program.

- Gain approval of knowledge domain courses by resubmitting previously approved courses or submitting new courses.

- Focus early on high-enrollment courses, spread the full number of courses relatively evenly over the four-year transition period, and provide realistic amounts of time for courses that may need the most work in meeting the new requirements.

Under the new general education program, at least three of five active learning elements must be incorporated into the knowledge domain curriculum. The active learning elements are:

- active use of writing, speaking and other forms of self-expression;
- opportunity for information gathering, synthesis and analysis in solving problems and in critical thinking;
- engagement in collaborative learning and teamwork;
- application of intercultural and international competence; and
- dialog pertaining to social behavior, community and scholarly conduct.

The new general education plan was adopted by the Senate in December 1997. Its 10 recommendations are intended to ensure that students get both the skills they'll need in an

increasingly competitive international economy and a broad understanding of scientific, cultural and artistic events and accomplishments that will help them make sense of the world and enrich their lives (Intercom, Jan. 15).

One of its key recommendations was to require all first-year students to take a special first-year seminar that introduces students to the demands of University study; Penn State as an academic community; the learning tools and resources available at Penn State; full-time faculty; and their responsibilities as members of the University community.

According to GEIC's interim guidelines, first-year seminars must have academic content and be offered for credit, will be taught by regular full-time faculty, and must be taken during the student's first academic year. The committee also wants to recommend a maximum enrollment number, but has not yet settled on a particular figure. The numbers 20 and 25 have been discussed, but Bagby said the issue "has not yet been resolved."

Since April, GEIC and its subcommittees have held more than a dozen meetings, and they will continue to meet throughout the summer. In the fall the committee is expected to come back to the full Senate with further recommendations.

University partnership with DOE to help find improved uses for laser technology

The Applied Research Laboratory has signed on with the U.S. Department of Energy in a partnership that could produce better lasers for medical applications, including dental drilling and middle ear, eye and brain surgery.

On Tuesday, representatives from ARL and the DOE's Lawrence Livermore National Laboratory agreed to form a National Laser Technology Alliance to conduct research to develop new and improved uses for short-pulsed lasers. Short-pulsed lasers show great promise for applications as safe and painless surgical tools. The alliance also would look at projects involving high-powered lasers to be used for high-speed metal drilling in the construction of military equipment, including tanks, helicopters and ships. A third possible project could focus on using lasers to cut up obso-

lete weapons without the risk of explosion.

Both ARL and the Lawrence Livermore National Laboratory are internationally recognized leaders in laser technology and applications. This alliance marries ARL's expertise in laser processing of materials with the federal lab's expertise in developing new lasers. The national lab's primary mission is to ensure that the country's nuclear weapons remain safe, secure and reliable, and to prevent the spread and use of nuclear weapons worldwide.

ARL, a Navy-oriented research facility, has more than 50 years of experience conducting defense programs. Thanks to the Navy's "dual use" policy, ARL equipment and facilities developed for military use also are available for other applications.

ARL's Laser Consortium, a group of commercial laser manufacturers and users, was formed to aid "dual use" efforts, such as the ones promised by this alliance.

In addition to sharing expertise and access to each other's commercial affiliates' programs, the ARL and national lab will use each other's facilities on a reciprocal basis. The Lawrence Livermore National Laboratory is home to NOVA, the world's largest laser. The National Ignition Facility, now under construction at the national laboratory, will be even larger, directing 192 laser beams at a pea-size spherical pellet, causing the atomic nuclei in the pellet to fuse and release more energy than required to start the reaction. The process represents a potentially inexhaustible supply of electrical energy.



Laser precision

This 25,000-watt, carbon dioxide laser, which has an invisible beam, cuts through three-quarter-inch steel with ease. Here the laser is being used to apply a powdered metal surface to a sample cylinder. This laser is one of several that the Applied Research Laboratory has available for use in the new National Laser Alliance.

EPA funds go toward study of pollution

A seven-university consortium led by Penn State has received a three-year, \$3 million research grant from the Environmental Protection Agency's National Center For Environmental Research and Quality Assurance. The grant will fund a study of emission sources and atmospheric processes which cause air pollution in the Northeast corridor of the United States.

The consortium includes Millersville University, the University of Maryland, the State University of New York at Albany, Rutgers University, Brookhaven National Laboratory, and Harvard University's School of Public Health and Division of Engineering and Applied Science. Although each institution will be responsible for a segment of measurements and analyses, all will be involved in the analysis and interpretation of the data collected.

Researchers will examine a polluted urban environment to find the relationships and conditions leading to high ozone concentrations and increased levels of fine particles, said Russell Philbrick, the project's principal investigator and professor of electrical engineering. The team also will determine how local and distant sources contribute to pollution and examine the role of meteorological conditions in the buildup and distribution of pollution over urban and regional scales.

The researchers will be studying Philadelphia, using a range of instruments to measure the city's environment in six- to eight-week periods during the summer seasons of 1999 and 2000. The measurements, taking place between mid-June and mid-September, are timed to correspond with the periods of the highest levels of pollution in the northeastern United States.

In addition to ground-based sensors and aircraft measurements, the team will use the Lidar Atmospheric Profile Sensor (LAPS) to take measurements. Often seen on campus as a green light shooting into the night sky, the equipment sends out pulses of scattered light, giving scientists a continuous look at atmospheric properties such as water vapor, temperature, density and ozone.

Data also will come from balloons suspended 500 meters above ground and equipped for particle and chemical sampling at different altitudes. The balloons have radio transmitters to give researchers a meteorological profile of the atmosphere.

The information collected will be used to develop the next generation of atmosphere predicting models and also to provide the data base to help form future policies toward pollution control and abatement.

Tax status

continued from page 1

of the Commonwealth Court agreed. The ruling states: "We now hold that Penn State is an instrumentality of the Commonwealth and is thereby immune from local real estate taxation on the Hershey property."

"We are very pleased that the courts have once again reaffirmed Penn State's status as an instrumentality of the Commonwealth," said Gary Schultz, University senior vice president for finance and business/trea-

surer. "This decision, along with the recent legislation that has been passed and signed into law by the governor, should bring to an end any future attempts by local government entities to tax Penn State."

Schultz was referring to the tax reform legislation signed into law May 5 by Gov. Tom Ridge which invalidates any amusement tax enacted by a school district after June 30, 1997.

The ruling stated in part: "As Pennsylvania's designated land-grant institution of higher learning and largest public university, Penn State fulfills the responsibilities it has

assumed on behalf of the Commonwealth by carrying out educational, research and public service missions for the Commonwealth. In doing so, Penn State clearly qualifies as a Commonwealth instrumentality. . . . We agree with Penn State's contention that granting immunity from real estate taxes to Penn State is consistent with the public policy considerations underlying the concept of such immunity. . . . We believe that allowing local taxation of Penn State would adversely affect its performance of the governmental business it is expected to conduct."

LECTURES

Conference features top scientists

The hottest and coldest things in the universe will be explored during the 14th International Conference on Spectral Line Shapes, on June 22-26 at The Nittany Lion Inn, University Park.

Spectral-line studies have potential applications involving research alternative energy sources, such as magnetic confinement and laser-induced fusion; x-ray lasers used for materials characterization; a wide variety of atomic and molecular physics and chemistry studies including trapped and

cooled atoms; and astrophysics research.

Countries represented at the conference by dominant scientists in their fields include Canada, Croatia, England, Finland, France, Germany, India, Italy, Japan, Latvia, Lithuania, Poland, Russia, Serbia, Spain and the United States. The conference is held every other year alternately in Europe and North America.

For more information about the conference, call Roger M. Herman at (814) 865-6092 or e-mail RMH@phys.psu.edu.

Food service institute begins July 7

The 1998 Penn State Food Service Leadership Institute: Lessons for a Lifetime will be held July 7-10, on the University Park campus. Samuel E. Hayes Jr., state secretary of agriculture, will be the keynote speaker. Hayes will discuss "The Role of School Breakfast and Lunch in Lifelong Learning and Development."

Held annually at Penn State, the institute will emphasize current

issues in primarily functional areas of management—technology, management/leadership, marketing and finance/cost control.

For more information, call Kristin Owens, conference planner, at (814) 863-5100; send e-mail to ConferenceInfo1@cde.psu.edu; or visit the Web at <http://www.outreach.psu.edu/C&I/SchoolFoodService/>.

Acidic Deposition Conference set

The Pennsylvania Acidic Deposition Conference, which will look at current research as well as forest decline related to acidic deposition and forest restoration, is set for Sept. 14-16 on the University Park campus.

Sponsored by several agencies and groups, including the U.S. Department of Interior and the Chesapeake Bay Program, the event will feature more than 30 speakers and presenters, including several national figures. In addition, a group of distinguished scientists will spend the week before the conference touring Pennsylvania forests and visiting scientists working on problems of forest decline and forest regeneration. They will report on their find-

ings during a special conference session.

Keynote speakers for this event include: Kathryn Clay, legislative assistant for energy and environment for Sen. Daniel Patrick Moynihan of New York. Clay will discuss "Policy Responses to Acidic Deposition: History and Ongoing Efforts;" Parker J. Wigington Jr., research hydrologist with the U.S. Environmental Protection Agency in Oregon; and Charles Little, author of *The Dying of the Trees: The Pandemic in America's Forests and co-editor of An Appalachian Tragedy*.

For more information about program content, e-mail William Sharpe at wes@psu.edu or call (814) 863-0291. To register, call (814) 863-8301.

Fall conference deals with aging self

From Oct. 12-13 on the University Park campus, participants of a conference planned by the Gerontology Center will discuss the life satisfaction and well-being of older individuals.

"Societal Impact on the Aging Self" will examine how social structures impact age-related changes in an individual's self-concept or sense of well-being and the degree of life satisfaction. Papers to be presented will look at self-concept in aging in

terms of broadly defined societal domains like the role of family, the impact of work status, social policies and the health-care system.

The conference, to be held at The Penn State Conference Center Hotel, will include a variety of speakers. For more information about the conference or registration and fees, call Judy Hall, conference planner, at (814) 863-5130, or visit the Web at <http://www.outreach.psu.edu/C&I/TheAgingSelf/>



Routine maintenance

Mark Trautman, Office of Physical Plant arborist at University Park, works on a cracked tree limb outside of Old Main.

Photo: Greg Grieco

New at Penn State

The Penn State Mont Alto Chambersburg Educational Center will open in the Chambersburg Mall before the end of the summer. Construction of the 4,300-square-foot facility is under way and is located in the west wing of the mall.

The announcement was made recently by Penn State Mont Alto and Crown American, owner of the Chambersburg Mall. The center will offer:

- a Healthy Communities library/reading room;
- a high-end technology classroom for computer training;
- a seminar room for professional continuing education classes; and
- a lecture room for traditional class offerings.

"The opening of this facility is in

keeping with our mission to educate our students and the general community on the importance of health and wellness," said David H. Goldenberg, campus executive officer at Mont Alto.

The center's library/reading room will house free information for the general public on health education and wellness, and a computer connected to the Internet will be available at no charge to individuals seeking health-related information on the Web.

Information on health agencies in south central Pennsylvania also will be available. The technology classroom will house 20 computer workstations linked to the Internet.

Sometime in 1999, Goldenberg said, the mall facility will become involved in a project to promote literacy.

Faculty/Staff Alerts

Summer blood drive schedule

The American Red Cross, Centre Communities Chapter, will conduct several blood drives on the University Park campus in July, as follows:

- Thursday, July 2: 10 a.m. to 4 p.m., 109 White Building
- Tuesday, July 7: 10 a.m. to 4 p.m., 101 Kern Building
- Wednesday, July 8: 10 a.m. to 4 p.m., Applied Research Laboratory
- Wednesday, July 8: noon to 6 p.m., Pollock Union Building
- Wednesday, July 15: 10 a.m. to 4 p.m., Housing and Food Services
- Wednesday, July 22: 10 a.m. to 4 p.m., Walker Building
- Tuesday, July 28: 10 a.m. to 4 p.m., White Building
- Wednesday, July 29: noon to 6 p.m., Pollock Union Building

Appointments are required at the Applied Research Laboratory location and are encouraged elsewhere. Call (814) 237-2713 to schedule a donation. Donor eligibility can be confirmed by calling the Red Cross at (800) 54-BLOOD.

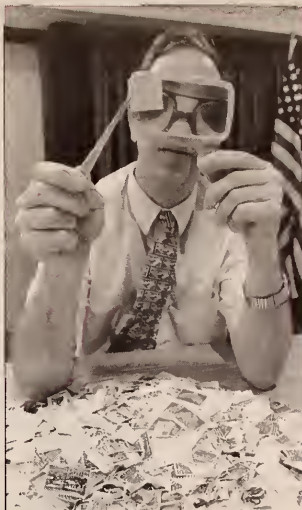
Fulbright reminder

Faculty and staff are reminded that the deadline for most Fulbright grants at the senior scholar level for academic year 1999-2000 is Aug. 1. Please contact John M. Keller, Fulbright adviser and outreach officer in the Office of International Programs, with questions about the program at jmk13@psu.edu. Copies of a brochure describing the Fulbright scholar program and application forms are available from Janet Haner in 222 Boucke at University Park. She can also be reached by e-mail at janh3@psu.edu; by telephone at (814) 863-7011; or by fax at (814) 865-3336. Program information and application forms also are available on the Council for International Exchange of Scholars Web site at <http://www.cies.org/>.

Telephone book updates

The Department of University Publications is updating information for the Penn State student and faculty/staff telephone books (pages 1 through 87). The deadline for submitting changes to the department listings is July 15. If no information is received, it will be assumed that no changes are necessary.

Faculty and staff at all University locations are asked to help make the updating as efficient as possible.



Mark your calendar

Ken Martin examines some of the loose common stamps that will be offered for sale at the stamp show, scheduled for July 26-27 at The Tittany Lion Inn on the University Park campus. The event is free to the public.

Photo: Greg Grieco

sible by photocopying the page(s) that contain(s) to their areas, marking changes and sending updates to the Department of University Publications, Directories, Suite A, University Support Building I, University Park, by July 15.

The department listings on pages 23 through 87 in the Faculty/Staff Directory are identical to those in the Student Directory. Please submit only one update of material. If changes to your area are extensive, please type them on a separate sheet and attach it to the photocopy of your present listing.

Changes for individual listings in the

Faculty/Staff Directory for full-time employees should be handled through a human resources representative, who has access to the update information through IBIS. Do not send corrections for individual listings to Publications.

Part-time employees who work in an area connected with Penn State but who are not on the University's full-time payroll, or emeritus faculty members who would like to be listed, should submit a form by July 15.

The human resources representative who works with your area can help you obtain a form or you can get one from Publications. Please remember that retired and part-time employees must submit a form each year to be listed.

Anyone with questions about the departmental updates or about the use of the telephone information form, should call Publications at (814) 863-1870. If you have questions about your individual listing, call your human resources representative.

New support group

The Women's Health Center at Penn State Geisinger, The Milton S. Hershey Medical Center, is launching a new support group — CARE (Crisis Acceptance Resolution Epilog) — for women and their significant others who are dealing with infertility issues. The purpose of the support group is to provide information as well as the opportunity to meet and talk with others facing similar issues.

For more information on when the group meets and presentations planned, call Eileen or Michelle at (717) 531-7101.

Community center moves

The Pittsburgh Community Recruitment Center, an outreach initiative of Penn State, has relocated its offices from 211 North Whitfield Street, Suite 110, in Pittsburgh, to Lexington Technology Park, Building One, 400 North Lexington Street, Pittsburgh, Pa. 15208.

Toys is topic of show

President Graham B. Spanier and his guest Professor Gary Cross will discuss toys on the July 6 edition of "To the Best of My Knowledge," a radio series designed to explore various topics and give listeners a chance to communicate directly with Penn State's president.

Cross is the author of *Kids' Stuff: Toys and the Changing World of American Childhood*, published last year by Harvard University Press. The one-hour show will air on WTSU-FM (90.1, 91.5 and 106.7).

Search under way for communications dean

A search committee has been appointed to identify candidates for the position of dean of the College of Communications. Nancy L. Eaton, dean of the University Libraries, is committee chair.

The dean of the College of Communications serves as principal academic leader and chief executive officer of the college and reports to the executive vice president and provost of the University. The dean is responsible for planning, budgeting, fundraising, and the quality of teaching, research, service and outreach.

The College of Communications reported a systemwide enrollment of 2,570 undergraduate and 19 graduate students in fall 1997; and has a full-time equivalent of 60 faculty and 30 staff members with a budget of approximately \$4 million.

The position requires an individual who can lead effectively and manage a complex professional college in a multi-campus research university. Candi-

dates should have significant academic achievement in fields of study commonly included in a college of communications, with credentials appropriate for a tenured appointment at the rank of professor. The candidate should have a thorough familiarity with the philosophy and responsibilities of a large, research-oriented, land-grant institution. Salary will be commensurate with experience and qualifications.

Please send nominations, applications and inquiries to Eaton, chair of the Search Committee for Dean of the College of Communications, 201 Old Main, Box PSI, University Park, Pa. 16802. In addition to a paper copy, the search committee would like to receive applications or nominations that include a full vita on a Word or WordPerfect formatted diskette, or by e-mail sent to psusearch@psu.edu. The search committee will review applications and nominations beginning July

15, and will continue until the position is filled. More information on the College of Communications can be found at <http://www.psu.edu/dept/comm>, or by sending an e-mail to psusearch@psu.edu.

Other members of the committee are: Richard L. Barton, associate professor of communications; Barbara O. Bird, assistant professor of communications; John J. Curley, chair of the Board of Visitors in the College of Communications and CEO of Gannett Co. Inc.; Dennis K. Davis, professor of communications; Catherine A. Hales, director of development; Ann Marie Major, assistant professor of communications; Patrick R. Parsons, associate professor of communications; Robert D. Richards, associate professor of journalism and law; Robert Secor, vice provost for academic affairs; Jessica L. Souder, undergraduate student in communications; and Robert C. Trumbop, graduate student in mass communications.

Appointments

College of Communications appoints interim dean

Jeremy Cohen, associate dean for undergraduate education and faculty development and professor of communications in the College of Communications, has been named interim dean of the college, effective July 1.

Cohen came to Penn State in 1994 after 10 years at the Stanford University Institute for Communications Research and two years at the University of Oregon School of Journalism. As associate dean at Penn State, Cohen has been responsible for the college's undergraduate curricula, programs, procedures and support services; coordination of student organizations and activities; and advising faculty on promotion and tenure-related issues.

As a member of the University Faculty Senate's Special Committee on Undergraduate Education, he was deeply involved in developing the new framework for general education adopted by the Senate early this year. Since 1996 he has served as the elected chair of Penn State's Administrative Council on Undergraduate Education.

Cohen's research focuses on First Amendment and freedom of expression issues. He is the author or co-author of three books and also has published many journal articles, book chapters, encyclopedia articles and book reviews on the media and media-related topics. He is on the editorial boards of the Penn State Center for the Study of Higher Education and the *Newspaper Research Journal*, and is a frequent reviewer for *Journalism and Mass Communication Educator*. He received a Penn State Faculty Fellows Award in 1997 and has received many other honors and awards.

Cohen is a member of the Faculty Senate's Committee on Faculty Teaching, Development and chair of its working group on teaching evaluation.

He has a B.A. degree in English from San Francisco State University, an M.A. in journalism from the University of Southern California and a Ph.D. in communications from the University of Washington School of Communications.

Last month Terri Brooks, current dean of the college, announced she would resign as dean June 30, after six years at Penn State, and return to the corporate media world in early 1999. She will remain at Penn State until Dec. 31, to assist in the planning for a proposed new school of information sciences and technology.

Penn State Fayette welcomes new campus executive officer

Gregory Gray, vice president for academic affairs of Olive Harry College, City Colleges of Chicago, has been named campus executive officer of Penn State Fayette, effective Aug. 1.

Gray, who has been at Olive Harry College since 1996, is responsible for academic leadership, including strategic planning, developing partnerships with business, industry and government, and academic quality.

Gray also served as associate dean for academic services at the University of Cincinnati Clermont College from 1995 to 1996. As chief academic officer of the campus, he



GREGORY GRAY

was responsible for campus assessment, development and implementation of new programs, educational services and also oversaw a number of technical, school-to-work and other training programs.

From 1991 to 1995 he was dean of the School of Business, Hospitality and Nursing at SUNY College of Agriculture and Technology in Morrisville, N.Y., and dean of the School of Business Technology from 1986 to 1991.

He began his higher education career at the State University College at Buffalo as assistant and then associate professor of business from 1975 to 1986. He also served as chair of the Department of Business from 1979 to 1986.

Gray received his bachelor of science degree in business and distributive education from Indiana University of Pennsylvania, his master's of education degree from the University of Pittsburgh and his doctor of education degree in vocational education from Penn State in 1977.

Materials Science and Engineering announces chair for programs

John R. Hellman, associate professor of ceramic science and engineering, has been appointed chair of



JOHN R. HELLMAN

the Ceramic Science and Engineering Program and the Electronic and Photonic Materials Program in the Department of Materials Science and Engineering. Hellman succeeds David J. Green who has returned to full-time teaching and research after six years as program chairman.

Hellman teaches graduate and undergraduate courses on the thermal and mechanical properties of ceramics, composites and refractories, and has been active as coordinator of the program's recruiting, cooperative education and summer internship activities. He also serves as a member of the faculty of the inter-college graduate program in materials and the Center for Advanced Materials. His research focuses on the phase equilibria, processing and thermomechanical behavior of structural ceramics and composites.

He has been a member of the American Ceramic Society since 1974 and serves on the president's faculty advisory board of the American Ceramic Society. He also is president-elect of the Ceramic Educational Council, counselor for the Central Pennsylvania Section of ACerS, and technical program co-chair of the Pennsylvania Ceramics Association.

Smeal gains coordinator of student organizations, corporate services

Camie L. Mistsifer has been appointed the new coordinator of student organizations and corporate services in The Smeal College of Business Administration.

Mistsifer will be host for several special events throughout the academic year, including professional development seminars, executive interaction seminars, social events, team-building events, award presentations, major-selection workshops and the Student Leadership Symposium. She also will help student leaders and Smeal Corporate Associates develop connections and ongoing business relationships.

Before Mistsifer joined the college, she was a staff

assistant in the Department of Geography. She also was a support specialist at the South Hills Business School in State College, where she assisted special-needs students; and an adviser to the Phi beta Lambda student organization.

She earned a bachelor's degree in communication disorders from Penn State in 1995 and holds an A.A.S. in accounting from Corning Community College.



CAMIE L. MISTISFER

Lehigh Valley welcomes coordinator of health services

Arlene Quesada was recently appointed coordinator of health services at Penn State Lehigh Valley. In

this position, Quesada will be responsible for developing, planning, implementing and coordinating health service programs for students, faculty and staff at the campus.

In addition, she will provide emergency and athletic health-care services and will coordinate health promotion and education on campus.

Before her appointment, Quesada was employed by the Good Samaritan Regional Medical Center in Pottsville as the staff development instructor for the surgical services department; and was the former elementary school nurse for the Schuylkill Haven Area School District in Schuylkill Haven. More recently she was a medical case manager for Concentra Managed Care in Mechanicsburg.

She is a graduate of St. Luke's Hospital School of Nursing, Bethlehem, and from Lebanon Valley College, Annville, where she received her bachelor of science degree in nursing. She received the Pennsylvania School Nurse Certification in 1994 and has completed graduate work in the health education field.



ARLENE QUESADA

Computer expert joins Penn State Altoona

In an effort to improve its internal computer operations, Penn State Altoona has hired Andrea Resig as manager of Computer and Information Systems.

Resig joins the Department of Information Technology, which recently split into two distinct divisions. Resig will oversee computer issues that deal with "everything outside the wall socket." That includes the academic server, faculty, staff and student computers, the Computer Learning Resource Center and the purchasing of software and hardware.

Resig has 15 years of technical experience including stops at Southern College in Florida, Pellissippi State College in Knoxville and a year at University Park. She has worked with various configurations of computers, servers, networks and peripherals, and is certified in both PC and Macintosh.

Private Giving

\$500,000 gift to benefit graduate, undergraduate students

Cathy Rein of New York City has contributed a total of \$500,000 to the College of the Liberal Arts to endow the John Shultz Sr. Graduate Fellowship in labor studies and industrial relations, and the Esther A. Shultz Undergraduate Enrichment Fund.

Rein is a distinguished alumna of Penn State who graduated in 1965 with a degree in labor management relations. She is senior executive vice president of Metropolitan Life Insurance Co. in New York City, and has held positions as a lawyer in a large New York City law firm and as general counsel for Continental Can Co.

The Esther A. Shultz Undergraduate Enrich-

ment Fund is named for Rein's mother, in honor of what Rein describes as her "nurturing, helpful and sympathetic qualities." This fund will support undergraduate students throughout the College of the Liberal Arts in endeavors such as research with faculty, educational experiences outside the classroom, study abroad and internships.

The John Shultz Sr. Graduate Fellowship in labor studies and industrial relations honors Rein's father, who has spent more than 50 years as a member of and business agent for the International Association of Theatrical and Stage Employees. The fellowship is designated for outstanding graduate students in the

Department of Labor Studies and Industrial Relations.

Both the fellowship and the undergraduate enrichment fund are supported by endowments. The University will invest the endowed gifts, and use part of the annual income to support the enrichment fund and the fellowship. The remaining income is returned to the principal to protect it from inflation.

This is not the first gift that Catherine Rein has made to Penn State. Last year, she made a \$50,000 gift to create the Catherine A. Shultz Conference Room in the forthcoming Alumni Center on the University Park campus.

York advisory board member honors late wife with donation

Penn State York has named its library in honor of the late Lee R. Glatfelter, to acknowledge her work in the community and to serve as a permanent reminder of her dedication and commitment to York. The building also is being named in her honor to recognize the \$2 million donation Arthur J. Glatfelter and family made to the campus.



ART GLATFELTER

Lee Glatfelter, a native of Seven Valleys, was the wife of Arthur J. Glatfelter, the founder of Glatfelter Insurance Group. It was his wish to name the library as a tribute to her. In November 1997, he made a \$2 million bequest to Project Connections, a program that introduces middle and high school students to the world of business and science. The program is jointly run by Penn State York and the York City School District. The \$2 million will be contributed from the estate of Glatfelter and will go

into an endowment for Project Connections fund established through Penn State York. The endowment is a contribution to the Penn State York Capital Campaign and income from the endowment will fund the program well into the future.

Lee Glatfelter was the owner and operator of Field Stone Meadow Horse Farm, where she bred horses. Active in the community, she served on the York Symphony board of directors and was a former director of the York County Eastern Seals board and Planned Parenthood board.

Art Glatfelter has served on the Penn State York Advisory Board for 10 years and is currently on the executive committee. He was instrumental in gaining the help of a local contractor to donate time and services for the construction of six new tennis courts for use by the campus and community.

Gift endows new professorship in family sociology

Arnold Hoffman and his wife, Bette Gichner Hoffman of Rydal, Pa., have contributed \$500,000 to the College of the Liberal Arts to endow the Arnold S. and Bette G. Hoffman Professorship in Family Sociology. The Hoffman professorship is the first named professorship in the Department of Sociology.

The Hoffman professorship will help the college recruit and retain top-notch scholars, and enhance the Department of Sociology's ability to stay on the cutting-edge of research and teaching by bringing forth expertise to the family and sociology fields.

Both the Hoffmans are Penn State alumni. Arnold Hoffman graduated in 1957 with a degree in journalism, and Bette Gichner graduated in 1958 with a degree in home economics.

Senior managing director of the financial services holding company Legg Mason Wood Walker Inc., Arnold chairs the College of the Liberal Arts fund-raising committee and the Liberal Arts Development Council. He has received the Alumni Fellow award, the college's highest honor.

The Hoffman professorship is supported by an endowment. The University invests endowed gifts, and uses part of the annual income to support the designated purpose. The remaining income is returned to the principal to protect it from inflation. This ensures that the Hoffman Professorship in Family Sociology will exist in perpetuity.

The Hoffmans are longtime supporters of the college and Penn State. In addition to the Hoffman professorship, they also have created the Arnold S. And Bette G. Hoffman Endowment in Jewish Studies and contributed to the creation of an endowed chair in Jewish studies.

Longtime supporter gives \$100,000

Mercedes Shoemaker, a longtime supporter of Penn State has committed \$100,000 to the College of Earth and Mineral Sciences. Shoemaker's gift will create a graduate fellowship in mineral engineering named in memory of her late husband, G. Albert Shoemaker, a Penn State distinguished alumna.

Funds from the fellowship endowment will support the work of outstanding graduate students in the Department of Mineral Engineering and encourage their learning and skill in second languages. Although not limited to them, students who already have work experience in the mining industry are encouraged to apply for the fellowship.

Mercedes Shoemaker, active as a philanthropist and community leader in Pittsburgh, also recently committed a gift from her future estate to establish

a faculty chair in mineral engineering at Penn State named in memory of her husband.

Albert Shoemaker was a 1923 graduate in mechanical engineering, an emeritus president of the University's Board of Trustees and former president of the Consolidation Coal Co. Lecture series in The Smeal College of Business Administration and the College of Earth and Mineral Sciences also are named in his memory.

In addition to serving on the executive committee for the forthcoming University-wide capital campaign, Mercedes Shoemaker is honorary chair of the earth and mineral sciences campaign committee.

The University invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income is returned to the principal to protect it from inflation.

Couple donates \$190,000 for School of Forest Resources

Penn State alumni Russell D. and Gloria Terlizzi Hagar of Calabasas, Calif., have committed nearly \$190,000 to create a paired faculty teaching award and graduate fellowship for the School of Forest Resources.

When activated through the couple's estate, the Harrar Teaching Award and Fellowship in Forest Resources will promote excellence in University teaching and prepare the next generation of outstanding teachers.

Russell Harrar is marketing director for the

Fidelity Insurance Agency in Glendale, Calif. He began his studies at Penn State Mont Alto and earned his bachelor's degree in forestry in 1949. Gloria Harrar, a retired teacher, earned her bachelor's degree in home economics from Penn State in 1948.

Recipients of the Harrar Teaching Award in Forest Resources will be selected annually by a committee of students and faculty based on excellence in teaching, advising, leadership and academics. All faculty in the School of Forest Resources will be eligible for the teaching award,

consisting of a cash prize and mentorship responsibilities.

All full-time graduate students in the school and related intercollegiate graduate programs will be eligible for the Harrar Fellowship in Forest Resources for up to a three-year term — the winner to be selected by faculty and the school's director. The fellow will have special opportunities to acquire professional knowledge and experience through short courses, mentorships with faculty, conferences and other means, as well as by teaching a range of courses.

ARTS & ENTERTAINMENT

AT PENN STATE



Opens tomorrow

Randy Reinholz, left, Andrew Newman and George Dzundza rehearse a scene from *Death of a Salesman*. The play opens at 8 p.m. Friday, June 19, at the Playhouse Theatre on the University Park campus. Other performances are at 8 p.m. June 20, 23-27, 30 and July 1-4, and at 2 p.m. June 27 and July 4. Tickets are \$25 for adults, \$22 for students. For tickets, call (814) 863-0255 or (800) ARTS-TIX.

Photo: Greg Grieco

Beaver expands summer cultural center schedule

The Brodhead Cultural Center at Penn State Beaver has expanded its 1998 summer schedule of events. All summer performances will be held in the Brodhead Cultural Center's outdoor, 700-seat J.P. Giusti Amphitheatre. All shows begin at 8 p.m. and are free, except for the musical *Assassins*.

Events at the center this year include:

- Black Cat Otis, June 30.
 - The Metropolitan Italian Symphonic Band, July 7.
 - Pittsburgh Banjo Club, July 9.
 - The Showstoppers, July 14.
 - *Assassins* presented by the Center Theater Players Inc., July 23 through 25. Tickets at \$8.
 - Monaca Cornet Band, July 30.
 - The Boilermaker Jazz Band, Aug. 4.
 - Beaver County Symphonic Wind Ensemble, Aug. 6.
 - Swing Fever, Aug. 11.
 - Sweet Adelines International, Pittsburgh Chapter, Aug. 13.
 - Beaver Creek Band, Aug. 18.
 - Terry Hawkins Jazz Ensemble, Aug. 20.
 - Beaver Bop-Cats Alumni Band, Aug. 25.
 - Joe Grkman Polka Band, Aug. 27.
- For more information or for tickets to *Assassins*, call the Brodhead Cultural Center office at (724) 773-3817.



BRYCE JORDAN CENTER

Fireworks festival

The annual Great American Fourth of July Fireworks Festival will be held on July 4 in and around The Bryce Jordan Center on the University Park campus. Festivities begin at 4 p.m. and fireworks are set to go off at 9:35 p.m. All outdoor activities, including the fireworks, are free to the public. There is a fee for indoor activities. In addition, the Jordan Center will have food from its new menu for sale at its concession stands.

For more information, call (814) 231-0953, or visit the Web at <http://www.bjc.psu.edu/> or <http://www.3wz.com/>

Upcoming event

■ June 30: World Wrestling Federation, 7:30 p.m. Tickets are \$22.50, \$17 and \$13 for reserved seating.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium South Box Office, selected Uni-Mart outlets, Commonwealth campus and college ticket outlets or by calling (814) 865-5555 or (800) 863-3336. For more information visit the Web at <http://www.bjc.psu.edu/>.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Saturday, June 20
"Death of a Salesman," by Arthur Miller, 8 p.m., The Playhouse, through July 4. For tickets, call (814) 863-0255.
"The Man Who Knew Too Much," film, 9 p.m., Fisher Plaza.
Music at Penn's Woods, 7:30 p.m., Eisenhower Auditorium.
Sunday, June 21
Music at Penn's Woods, 3:30 p.m., Eisenhower Auditorium.
Monday, June 22
Bug Camp for Kids, Headhouse #3, through June 25.
Dance Aerobics "Diversions," 8 to 10 p.m., White Building Gymnasium.
Tuesday, June 23
Mick and Terri Dennis, contemporary music, noon to 1 p.m., Fisher Plaza.
Thursday, June 25
Norton Fusion Jazz Band, noon to 1 p.m., Fisher Plaza.
Ice Skating "Diversions," 8 to 11 p.m., Ice Rink.
Friday, June 26
Music at Penn's Woods, 7:30 p.m., Eisenhower Auditorium.
Saturday, June 27
Music at Penn's Woods, 7:30 p.m., Eisenhower Auditorium.

"Mr. Smith Goes to Washington," film, 9 p.m., Fisher Plaza.
Sunday, June 28
Music at Penn's Woods, 3:30 p.m., Eisenhower Auditorium.
Monday, June 29
Dance Aerobics "Diversions," 8 to 10 p.m., White Building Gymnasium.
Advanced Bug Camp for Kids, Agricultural Science and Industries Building, through July 2.
Tuesday, June 30
Bruce and Jesse Young, folk fiddle and guitar, noon to 1 p.m., Fisher Plaza.
World Wrestling Federation, Raw is War, 7:30 p.m., The Bryce Jordan Center.
Wednesday, July 1
"The Foreigner," by Larry Shue, preview, 8 p.m., Pavilion Theatre, through July 2. For tickets, call (814) 863-0255.
Thursday, July 2
3 Musicians and a Banjo, noon to 1 p.m., Fisher Plaza.

CONFERENCES

Friday, June 19
"Landscapes of Mystery," The Nittany Lion Inn, through June 21.
Pa. Center Stage Theatre, The Nittany Lion Inn.

Saturday, June 20
State College MicroBrewers Exposition, The Penn State.
Sunday, June 21
72nd Colloid and Surface Science Symposium, The Penn State, through June 24.
American Philatelic Society, The Nittany Lion Inn.
Penn State In-Service Workshops in Astronomy, residence halls, through July 3.
Summer Opportunities and Research for Space, residence halls, July 3.
Monday, June 22
4-H Ambassadors, Findlay Commons, through June 24.
American Bearing, The Penn State, through June 26.
■ International Conference on Physics, The Nittany Lion Inn, through June 26.
Wednesday, June 24
The Pennsylvania Coaching Education Conference, The Penn State, through June 25. To register, call (800) PSU-TODAY.
Friday, June 26
SCOPEX, The Nittany Lion Inn.
The Mount Nittany Writers Conference, The Penn State, through June 28.
Sunday, June 28
Governor's School for the Ag Sciences, residence halls, through Aug. 1.
■ International Leadership and Distance Education, The Nittany Lion Inn, through July 2.

Pa. Restaurant Association, The Nittany Lion Inn.
Monday, June 29
Media Literacy Institute '98: Focusing the Power of Media Languages, The Penn State, through July 1.
■ Supply Chain Management for Japanese Managers, The Penn State.
Tobacco Prevention Network, The Nittany Lion Inn.
State Farm Insurance '98, The Penn State.
Media Literacy Summer Seminar, The Penn State.

EXHIBITS

HUB Browsing Gallery
"Central Pennsylvania Festival of the Arts Images Exhibition, Images '98," through July 17.
Palmer Museum of Art
■ "Treasures of Deceit: Archaeology and the Forger's Craft," June 30 through Aug. 16.
■ "Musical Notes by Honore Daumier: Prints from the Collection of Egon and Belle Gartenberg," June 30 through Dec. 13.
■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>



First place

Robyn Pfeffer of Blair County, breaks into a smile as she crosses the finish line. She came in first in her heat of the women's 200-meter run with a time of 49.1 seconds.



Special Olympics Pennsylvania

An estimated 2,000 athletes competed in the 1998 Pennsylvania Special Olympics Summer Games on the University Park campus June 4-7. The state-level event featured competition in aquatics, track and field, basketball, bowling, equestrian sports, golf, gymnastics, softball and tennis. The venue also included Olympic Town, an area in East Halls full of diversions for athletes to enjoy when they weren't competing.

Thousands of volunteers from both the University and the surrounding community come together every year to make the event possible.



Gold medalist

An enthusiastic Raymond Spencer of Clarion accepts the gold medal for softball throw. He threw the softball more than 40 feet to capture the gold in his division.



Just for fun

Special Olympic athlete Michael Hopkins of Venango rolls a ball as part of an obstacle course in Olympic Town, set up in the East Halls area of the University Park campus.

Photos by
Annemarie Mountz



Fast break

Tim Yeager, No. 24 for the Blair County Eagles, takes the ball down the court against Area M, Harrisburg. Yeager's team won the silver medal and Area M took the gold in their division. Special Olympics basketball games were held in the Intramural Building.

Promotions

Staff

Thomas J. Alterio, applications systems analyst in Continuing and Distance Education.

Toni Auman, staff assistant V in College of Agricultural Sciences.

Richard E. Baird, sports information coordinator/DUS and admissions counselor at Penn State Altoona.

Suzanne L. Barnhart, human resources assistant II in College of Medicine.

April Benson, administrative assistant I in Office of the Vice President for Research.

Patrick J. Besong, senior microcomputer system consultant in Continuing and Distance Education.

Stephen B. Bumbarger, staff assistant V in The Smeal College of Business Administration.

Mary E. Cameron, staff assistant VI in University Office of International Pro-

grams, Office of the Executive Vice President and Provost.

Thomas J. Collins, applications systems analyst in Continuing and Distance Education.

Donelle L. Cook, staff assistant VIII in Applied Research Laboratory.

Jeffrey H. Edmunds, cataloging specialist in University Libraries.

Robin L. Schmincke, catering sales manager at The Nittany Lion Inn.

Gaylord D. Shawver, research support technologist in Office of the Vice President for Research.

Carey L. Shuey, staff assistant VI in College of Earth and Mineral Sciences.

Michele L. Steele, DUS programs and learning center coordinator at Penn State Worthington Scranton.

Vincent L. Timbers, lead applications programmer/analyst in Office of Vice Provost and Dean for Undergraduate Education.

Jeannette Ullrich, library assistant I at Penn State Abington.

Lisa J. Walker, staff assistant VI at Penn State Harrisburg.

Jean B. Welling, staff assistant VI in Student Affairs.

Julie K. White, administrative assistant III in College of the Liberal Arts.

James M. Williamson, facilities audio visual manager at The Nittany Lion Inn.

Antoinette A. Williams, staff assistant VIII at Penn State Hazleton.

Lesley R. Willis, lead systems analyst in Computer and Information Systems-Administrative Systems.

Patricia R. Wilson, staff assistant VII in College of Education.

John A. Woodring, computer support specialist at Penn State York.

Robin L. Yeane, staff assistant VII in Intercollegiate Athletics.

Mary L. Zindler, coordinator, research funds in Applied Research Laboratory.

Philip S. Zinn, computer support specialist at Penn State York.

Technical Service

Patricia E. Blackhurst, groundskeeper-landscape A at Penn State Erie.

Eugene A. Confer, building maintenance worker in Student Affairs.

Gary L. Corsetti, maintenance worker, general A at Penn State Abington.

Joyce A. Flory, janitorial worker in Office of Physical Plant.

Dennis R. Hadlock, groundskeeper-landscape A at Penn State Erie.

Robert L. Kinney, groundskeeper-landscape A at Penn State Erie.

Debra J. Rhoads, main sorter and relief clerk in Business Services.

Gary L. Robinson, group leader-equipment and facilities worker in Intercollegiate Athletics.

Jean M. Shawley, residence hall/project worker in Housing and Food Services.

Awards

Liberal arts faculty honored for excellence

The College of the Liberal Arts has recognized faculty for excellence in teaching, advising and research. Distributed annually, the awards are sponsored by the Liberal Arts Alumni Society.

■ Susan Harris, professor of English, won the Class of 1933 — Distinction in the Humanities Award for her work in literary criticism, literary theory and cultural studies while exploring the role of literature in the 19th century. Harris received a National Endowment for the Humanities grant to work on her most recent book, *The Courtship of Olivia Langdon and Mark Twain* (Cambridge University Press, 1996). In addition to writing other books and numerous articles, Harris is an advisory editor to *Legacy: a journal of American women writers*; and *The Oxford Mark Twain*.

■ The author of several articles and book reviews, Jean-Claude Vuillemin, associate professor of French, received the College Outstanding Teaching Award. An expert in 17th-century French literature, Vuillemin recently co-organized and co-chaired an international conference on the latest theories of the literary baroque.

■ Michael Begnal, professor of English and com-

parative literature, also won the College Outstanding Teaching Award. A renowned Joyce scholar, Begnal also specializes in modern British and Irish literature, modern European fiction and Vladimir Nabokov. He is the author or editor of many books.

■ The winner of the Outstanding Teaching Award for Non-Tenure Line Faculty is Marie Gillette, lecturer in Italian. She has taught a range of courses in Spanish and Italian, but her specialization is the evolution of the Spanish language and medieval Spanish literature, paleography and translation.

■ In 31 years at Penn State, Joseph C. Flay, professor emeritus of philosophy, taught every undergraduate course in the department, a range of graduate seminars and occasional labor studies courses to earn the Lindback Award in Distinguished Teaching. He received the Class of 1933 — Award for Outstanding Contributions in the Field of Humanities. He has published articles and essays on ethics and religion, Hegel and Heidegger, and the nature of self and philosophy, and a book, *Hegel's Quest for Certainty*. Although he retired in 1994, he continues to publish, speak and guide dissertations, and is the winner of the 1998 Emeritus Distinction Award. He

is now at work on a book that develops a new view of space and time.

■ Kala Krishna, winner of the Liberal Arts Distinction in the Social Sciences Award, came to Penn State in 1993. A professor of economics, she is a leading expert on the economic implications of trade agreements and free trade areas, as well as market access. She also is an active graduate adviser and mentor.

■ Winner of the Outstanding Faculty Adviser Award, Mary Rohrer-Dann, lecturer in English, has the largest share of advising responsibilities in the English department. Fifty percent of Rohrer-Dann's faculty load is advising. She is responsible for American studies and creative writing students, as well as composition and rhetoric undergraduates.

■ Erik Gartzke, assistant professor of political science, won the Roy C. Buck Award, the college's award for the best paper in the social sciences by an untenured faculty member. His article, "Kant We All Just Get Along? Opportunity, Willingness, and the Origins of the Democratic Peace," was the lead article in the January 1998 issue of *The American Journal of Political Science*.

Abington CEO earns award

Karen Wiley Sandler, dean and campus executive officer at Penn State Abington, is the 1998 recipient of the Lion Heart Award, an honor given annually by Abington's graduating class.

The award, created to honor someone who "has added to the life of the Abington campus and ... expresses the spirit and integrity of Penn State," was given to Sandler during Abington's commencement exercises on May 15.

Sandler, described by students as "a phenomenal woman who has represented (Abington) like no other," has served as CEO at Penn State Abington since 1994. She was named dean in July of 1997. Before joining Penn State, she held the position of vice president and dean of academic affairs at Juniata College.

Sandler earned her Ph.D. in Romance languages from the University of Pennsylvania and taught full time at the University of Vermont from 1969 through 1985, when she accepted her first full-time administrative position as assistant dean of the college at Gettysburg College. She has written and spoken on French Renaissance literature, as well as several curriculum issues.



KAREN WILEY SANDLER

and family studies, was honored with the Student Government Association Award for Excellence in Advising. To be eligible for this advising award, the instructor must teach at least four classes per year and be nominated by a Mont Alto campus student.

Both award nominations require the nominating student to write a two-page essay discussing the reasons for the nomination. Each year, Mont Alto campus students nominate a teacher and an adviser of their choice to receive these awards.

Outstanding employees, part-time educators honored

Pennsylvania College of Technology recently conducted its annual Employee Recognition Week, which included a reception honoring recipients of the Distinguished Staff Awards, new members of the college's Quarter Century Club, retirees and recipients of the Part-Time Teaching Excellence Awards.

This was the third year the college presented Distinguished Staff Awards to recognize outstanding full-time employees. One honoree was selected from each of the college's three staff classifications: administrative, professional and technical (APT); classified; and service staff.

Diana L. Kuhns, assistant dean for integrated studies, was honored for her work as an APT staff member. Joan Shade, secretary to dean of the School of Transportation Technology, earned recognition for her service as a classified employee. Jennifer J. Allshouse, police officer, was honored for her dedication as a service staff member.

Also honored at the reception were 10 college employees who are celebrating their 25th anniversary of service to the institution. The new inductees into the college's Quarter Century Club are: Franklin P. Beatty III, associate professor, plumbing and heating; Benjamin H. Eldred, assistant professor, heavy construction equipment technology; Leonard R. Filipkowski, associate professor, auto body; James C. McMahon, controller; James C. Pivrotto, associate professor, forestry; James A. Potter II, instructor, building construction tech-

nology; Lawrence P. Stabler Sr., associate professor, automotive technology; Robert W. Stull, assistant professor, electrical technology/occupations; Bonnie R. Taylor, associate professor, business administration; and Marjorie L. Withers, secretary to the controller.

Others recognized at the gathering were 13 employees who announced their retirement in the 1997-98 academic year: Raymond W. Barner, custodian; Dorothy G. Dincer, general ledger assistant; Robert L. Hafer, instructor, auto body; John K. Hammond, professor, automotive technology; Estella J. Helm, duplicating assistant; Theresa Lomison, regular part-time food services worker; Gene R. Mader, manager, food services; Thomas M. McNally, counselor; Donna R. Miller, associate professor, fitness and lifetime sports; Ruth N. Nice, instructor, practical nursing; Guy Rogers, property protection officer; Charles J. Rote, custodian; and Russell W. Umstead, supervisor of purchasing.

The 1998 Part-Time Teaching Excellence Awards honored two distinguished part-time faculty members: Dr. Jefferson Porter, who instructs in dental hygiene, and Max Ameigh, an art instructor. Porter has had a private dental practice in Williamsport since 1981. Ameigh retired from secondary education after 25 years of teaching art education in the Williamsport and Jersey Shore area schools.

The educators are honored for their excellence in instruction and outstanding service to students.

Mont Alto cites two faculty members

Two Penn State Mont Alto faculty were recently honored at the annual spring awards ceremony.

James Hamilton, assistant professor of speech communications, received the Martha A. Fisher Award for Teaching Excellence. To be eligible for this teaching award, an instructor must teach at least four classes per year and be nominated by a Mont Alto campus student. This is the second time Hamilton has received the award.

Jacqueline Schwab, assistant professor of human development

Awards

Acting director at Hazleton lauded for contributions

Dwayne A. Hilton, acting director of student affairs at Penn State Hazleton, has received the third annual Friend of the Commonwealth Award from the University's Council of Commonwealth Student Governments. Open to all Penn State alumni, faculty, staff, administrators and community leaders, the honor recognizes continuous contributions to the Commonwealth and the University.

Hilton joined the Penn State Hazleton administrative staff in 1986 as assistant director of student affairs and has been serving in his current capacity since 1996. He is responsible for the overall operation of student affairs at Penn State Hazleton, including student clubs, organizations, activities and cultural events; residence life programs; health and counseling services; varsity athletics, intramural and recreation sports; and police services, among other things.

Before joining Penn State Hazleton, Hilton served for six years as a counseling and advising specialist in the Academic Assistance Program at University Park; and as a vocational and psychological evaluator for Skills of Central Pennsylvania, Bellefonte.

A U.S. Navy veteran, Hilton received a bachelor's degree in rehabilitation education; a master's degree in counseling and educational philosophy; and a doctor of education, higher education, in organization and administration, all from Penn State.

Three are honored by MBA students

MBA students in The Smell College of Business Administration have honored a member of the MBA administration and two faculty members.

In annual awards voted by the students, Robin Brouse, administrative manager of the MBA program, was recognized as outstanding administrator; K. Ramesh, assistant professor of accounting, was honored as the outstanding teacher in the MBA core; and Chris J. Muscarella, associate professor of finance and holder of the L. W. "Roy" and Mary Lois Clark Teaching Fellowship, was named outstanding teacher of MBA elective courses.

Brouse has been a member of The Smell College staff for 20 years. She began in the Department of Finance before taking a position in admissions for the graduate programs. Since then, she has held posts of increasing responsibility within the MBA program.

Ramsey joined the accounting faculty in 1997, having been recognized as a classroom leader at both the University of Rochester's Simon School and Northwestern's Kellogg School. His research interests are in capital markets, financial institutions, methodological issues and the organization of joint ventures.

Muscarella is known as a perennial winner of MBA teaching awards in Smell, where his classes, primarily in corporate finance, have the reputation for being both demanding and thorough.

Health services director earns national recognition for work

Margaret Spear, director of University Health Services, has received the Ollie B. Moten Award from the American College Health Association. The award recognizes ACHA members who have significantly impacted the institution in which they work and in publishing, or have held office in the national or affiliate associations.

Spear has transformed Penn State's University Health Services into a model of excellence in student health services. Accomplishments and new services include a Cross-Cultural Health Program designed to better meet the diverse needs of international and U.S. ethnic groups; establishment of a quality improvement team; accreditation from



MARGARET SPEAR

the Accreditation Association for Ambulatory Health Care (AAAHC); a tobacco cessation initiative; major strides in the Alcohol Intervention Program; and a modification of the appointment system to provide same-day appointments. She also has served as president of the Mid-Atlantic College Health Association, regional representative to the ACHA Board of Directors and also is a surveyor for the Accreditation Association for Ambulatory Health Care.

In addition to this award, Spear also garnered an ACHA fellowship, an honor earned over a prolonged period of time and given by colleagues who share the same commitment and dedication to the field.

Two earn national fellowship awards

Paul Lawrence Rose and James L.W. West III, faculty members and fellows of Penn State's Institute for the Arts and Humanistic Studies, are recipients of fellowship awards from the National Endowment for the Humanities.

Rose is working on a book project titled, *The Burning Book: The Talmud and 'Talmud' in Antisemitic Mentalities from Early Christianity to the Nazi Era*. In his book, he will discuss the history of the image some have had of the Talmud as a repository of Jewish evil and hatred of gentiles. Rose will distinguish between what the Talmud actually says and what some believed it said. Among other things, Rose

will work with a large amount of Nazi propaganda and related documents obsessed with the Talmud, including Hitler texts of 1921.

West will use his NEH award to complete the first published edition of F. Scott Fitzgerald's *Trimalchio*, the original version of his classic novel, *The Great Gatsby* (1925). Fitzgerald conceived the idea for the novel in June 1922 and by early November 1924, he had produced a finished typescript, titled *Trimalchio*. Fitzgerald's editor sent back the novel with a long letter, suggesting several changes. Fitzgerald complied, introducing major revisions and a title change. The text became *The Great Gatsby*.

Associate dean wins alumni award

Donald W. Leslie, associate professor of landscape architecture and a 1965 Penn State graduate, is one of six winners of the 1998 Alumni Achievement Award from the College of Arts and Architecture/Performing Arts Alumni Society.

Leslie has taught at Penn State since 1971 and serves as the college's associate dean for undergraduate studies, a position he has held for the past seven years.

Leslie was cited for his significant achievements as an educator and leader within the college and as a national leader and role model for members of the American Society of Landscape Architects. Leslie's work with the American Society of Landscape Architects culminated in his selection as president of the organization in



DONALD W. LESLIE

1996-97. He was elected a fellow of the Society in 1988 and was awarded its President's Medal in 1994.

During his tenure as associate dean, Leslie has served on numerous college and University committees. He is a former chair of the Administrative Council on Undergraduate Education and a long-term member of the Faculty Senate. During his landscape architecture career, he has worked on projects for the Department of the Navy, Omega Financial Corp., Chicago Botanic Garden, Westinghouse Electric Corp., Pennsylvania's Ohiopyle State Park and many others. He maintains a private consulting practice and since 1993 has been a member of the Central Pennsylvania Festival of the Arts Board of Directors.

Delaware County applauded as model of excellence

Penn State Delaware County was recognized as a model of organizational excellence for the development of the "Training Bridge," at the fifth annual Business and Community Excellence Tribute in Philadelphia.

Penn State Delaware Coun-

ty has addressed Pennsylvania's need for skilled information technology employees by developing the "Training Bridge," a comprehensive assessment and training program for computer novices as well as those with some technology experience, to prepare

them for careers in information technology.

The tribute acknowledges the dedication and commitment of regional businesses in their pursuit of organizational excellence and provides an opportunity for learning from other successful business strategies.

Partings

Wrestling coach steps down after six seasons

In what he characterized as "an extremely difficult decision," Penn State wrestling Coach John Fritz said June 8 he will step down immediately as head coach to assume other administrative duties in the athletic department.

Fritz, the Nittany Lions' head coach since succeeding Rich Lorenzo in 1992, said a combination of circumstances, "personal, professional and physical," led to his decision to step aside after six physically successful seasons.

Fritz's new duties will include acting as director of athletic and recreation programs for the Commonwealth campuses, working with the strength and conditioning program, and teaching in the College of Health and Human Development. In the administrative role with the campuses, Fritz succeeds Kay Young, who is relocating out of the area to pursue other opportunities.

In six seasons as head coach, Fritz compiled an 87-33-2 (72.1 percent) dual-meet record to become the fourth-winningest coach in the Nittany Lions' 90-year history.

Fritz was awarded Big Ten Coach-of-the-Year honors following the 1997-98 season and five Nittany Lions ended the campaign with All-America honors. The Nittany Lions also were named to the National Wrestling Coaches Association Academic Top 25 team list for the second straight season earning a 10th place finish.

Under Fritz, Penn State posted five top five NCAA tournament finishes, crowned four national champions, placed nine wrestlers in NCAA finals and collected 21 All-America mentions.

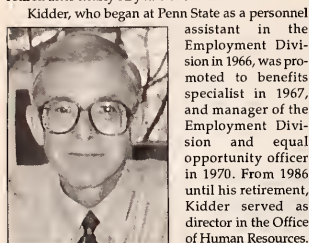
The beginning of Fritz's tenure coincided with Penn State's entrance into the Big Ten and he quickly

led the Nittany Lions to success in the nation's most competitive wrestling conference. A 1975 Penn State graduate, Fritz claimed an NCAA title at 126 pounds that same year after finishing third the previous two seasons. He is a three-time All-American who also claimed a pair of Eastern Wrestling League titles.

Following graduation, Fritz began his coaching career as an assistant at Colorado State in the 1975-76 season before becoming interim head coach at Indiana (Pa.) in 1976-77. He moved from there to head coaching duties at Roxbury High School in Succasunna, N.J., in 1977-78 then back into the collegiate field as head coach at Franklin Marshall from 1978-80. Fritz returned to Penn State in 1981 as an assistant to Lorenzo. It was a position he held for the next 12 years, earning Assistant Coach-of-the-Year honors in 1984.

Human resources official retires after 32 years of service

Robert L. Kidder, administrative director of human resources in the Office of Human Resources, has retired after nearly 32 years of service.



ROBERT L. KIDDER

Kidder, who began at Penn State as a personnel assistant in the Employment Division in 1966, was promoted to benefits specialist in 1967, and manager of the Employment Division and equal opportunity officer in 1970. From 1986 until his retirement, Kidder served as director in the Office of Human Resources.

Kidder earned his bachelor of science degree in real estate and insurance from Penn State in 1961. From 1961 to 1962, he served in the U.S. Air Force, on a leave from his position as a claims adjuster with Nationwide Insurance Co., which he held until 1966.

Kidder was an executive committee member and on the board of directors of the Central Pennsylvania Heart Association; he also served on the boards of directors for Centre County Home Health Service and The Second Mile. He was a member of the Centre County Personnel Association; the Employers Advisory Council for the Pennsylvania Office of Employment Security; and an advisory board member and program review committee member for the Centre County Employment and Training Agency.

In addition, he is extremely active in the Mount Nittany United Methodist Church, currently serving as a lay leader and in other posts in the past.

Kidder also coordinates the volunteers for The Second Mile Golf Tournament. In his retirement, Kidder plans to expand his volunteer roles in the community and spend more time in his favorite pastimes of hunting and fishing.

Mathematics professor taught 33 years

John R. Garell, assistant professor of mathematics and computer coordinator at Penn State Shenango, will retire June 30 with 33 years of service to the campus. Garell is one of the original six faculty members hired when Penn State Shenango opened in 1965.

Garell received a B.S. degree from California State University, California, Pa., and M.Ed. and M.A. degrees in mathematics from Penn State. Before coming to Penn State Shenango, Garell worked at the Penn Hills School District.

At the Shenango campus he taught algebra; trigonometry; finite mathematics; calculus; and introductory programming and statistics courses.



JOHN R. GARELL

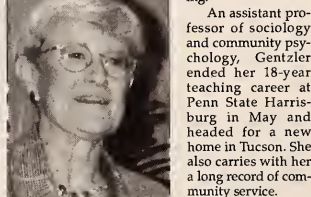
Garell was the network administrator for a Windows NT network and a college representative. He has written correspondence courses in algebra for the University Park campus, the Penn State Data and Information Survey and many computer tutorials.

Garell is a member of the Math Association of America, American Math Association of Two-Year Colleges, and has presented seminars on graphics calculators, mathematics and HTML.

Garell and his wife, Cassandra, live in Hermitage, Pa. They have three daughters, Diane and Karen of Minneapolis, and Cheryl, of Aurora, Ill. All three are Penn State graduates.

Retirement marks a new beginning

Ida Marie (Rie) Gentzler is "retiring from Penn State, but not from working."



IDA MARIE GENTZLER

An assistant professor of sociology and community psychology, Gentzler ended her 18-year teaching career at Penn State Harrisburg in May and headed for a new home in Tucson. She also carries with her a long record of community service.

Her service as

director of the Center for Community Action and Research in the School of Behavioral Sciences and Education is one of her crowning achievements at Penn State Harrisburg. She and Robert Colman created the center in 1993, providing education and enrichment to community-based organizations in the region.

The end of her career at Penn State Harrisburg was highlighted this year when she received the Kay Towns Women's History Award.

Gentzler worked with Towns during the creation of PROBE, an organization dedicated to assisting displaced homemakers find employment and self-esteem as well as personal growth.

Viewing retirement in Arizona as a new beginning for her and her husband, Gentzler indicates she may someday return to the classroom.

Several announce retirements after long careers

Beverly J. Bechdel, food preparer B in Housing and Food Services, from Feb. 12, 1977, to April 24.

Melva J. Capobianco, staff assistant VI in Intercollegiate Athletics, from Sept. 4, 1979, to May 1.

Carl M. Corcelius, building service attendant in Student Affairs, from Oct. 1, 1964, to April 25.

Eloise B. Shawley, dining hall worker A in Housing and Food Services, from Sept. 5, 1974, to April 18.

Francis M. Gross, workshop supervisor in the Materials Research Laboratory, from Dec. 1, 1961, to April 1.

John J. Novachicka, food service worker A in Housing and Food Services, from April 7, 1972, to April 11.



Newly dedicated

Mark Hay, airport attendant, cleans the windows of the Sweepster snow removal vehicle, right. The vehicle is housed at the new snow removal building at the University Park Airport, above. The building was formally dedicated last week. The Federal Aviation Administration paid 90 percent of the cost of the building project, which had a budget of close to \$1 million.

Photos: Greg Grieco



BOOK SHELF

Dean R. Baldwin, associate professor of English and assistant division head of the School of Humanities and Social Sciences at Penn State Erie, is the author of *The Riverside Anthology of Short Fiction: Convention and Innovation* (Houghton Mifflin, 1998). The volume includes 99 short stories chosen for their ability to spark the sense of stories as essential, various and interrelated. The purpose of this compilation, writes Baldwin, "is to help students understand the richness and vitality of the short fiction genre, to connect with its encompassing pleasures, and to write about stories in an informed and involved way." Questions for discussion and writing appear after each story.

Augustin Banyaga, professor of mathematics, is author of *The Structure of Classical Diffieformorphism Groups*, published by Kluwer Academic Publisher. The book introduces and explains most of the main techniques and ideas in the study of the structure of diffeomorphism groups and gives complete proofs of the fundamental theorems of Banyaga, Mather and Thurston.

Michael W. Ecker, assistant professor of mathematics at Penn State Wilkes-Barre, has completed two books of test items. They are supplements written for two college-level trigonometry texts — *Trigonometry for College Students*, seventh edition, and *Essential Trigonometry*, third edi-

tion, both published by Brooks/Cole. In addition, Ecker continues writing, editing and publishing his own *Recreational and Educational Computing (REC)* magazine devoted to the interplay of computers, mathematics and recreation.

Alita Kelley, assistant professor of Spanish and French at Penn State Delaware County, is co-translator (under her pen name C.A. de Lomellini) with David Tipton of Bradford, England, of *Path Through the Canefields*, a book of 45 poems by the contemporary Peruvian poet José Watanabe (Edinburgh, Scotland: White Adder Press, 1997).

Five of Kelley's own poems, under the name C.A. de Lomellini, have appeared in an anthology, *Spirit of Bradford*, edited by David Tipton and Nick Toczek (Bradford, Yorkshire: Redbeck Press, 1997). The book is a collection of poems by Bradford authors or related to the Bradford scene.

In a new book published by University of Tennessee Press, scholars in many fields — including folklore, anthropology, architecture and urban studies — bring their diverse areas of expertise to bear on the study of vernacular architecture.

Edited by Sally McMurry, associate professor of history at Penn State, and Annmarie Adams, associate professor in the School of Architecture, McGill University, *Exploring Everyday Landscapes: Perspectives in Vernacular*

Architecture VII reflects the transformation occurring in this field. Instead of focusing solely on old, largely rural buildings made from everyday materials in traditional styles, scholars of vernacular architecture are now examining a wider variety of forms and landscapes — from company towns to grand expositions.

The essays in this volume are drawn from two conferences of the Vernacular Architecture Forum and discuss diverse topics ranging from urban cemeteries in New Orleans to agricultural housing in Delaware. Throughout the essays, the scholars discuss critical issues of class, gender and ethnicity.

John J. Metzner, professor of computer science and engineering, has published a textbook titled *Reliable Data Communications* that addresses the issue of reliable and efficient data communications.

As the data communications field continues to grow, the problems of errors and lost transmissions need to be solved without excessive waste of system capacity. Metzner's book illustrates various techniques for achieving reliable and efficient data communications over noisy channels and all types of data networks.

The book provides problems for beginning and advanced users. It is intended for use in a graduate course for students in electrical engineering or computer science and engineering, as well as for professionals in communications systems design.

Community: A Biography in Honor of the Life and Work of Ken Wilkinson, the first book-length publication designed intentionally for the Web by the Northeast Regional Center for Rural Development, is up and running. The center's Web site can be found at <http://www.ces.nrcrd.psu.edu/>. The online publication is a collection

of stories from family members, former students and colleagues of Ken Wilkinson, who died in 1993.

Wilkinson was a distinguished professor of rural sociology at Penn State and one of the most prominent scholars on the subject of community. In this biography, family, friends and colleagues describe how Wilkinson fostered community in every phase of his life while influencing the field of rural sociology worldwide. Also included in this work are samplings of Wilkinson's own poetry, diary entries and academic writing.

The Northeast Regional Center for Rural Development is one of four regional rural development centers in the nation conducting integrated programs of research and extension to improve the social and economic well-being of non-metropolitan communities. Most of the center's publications are available free of charge or for a nominal fee. A print copy of *Community* will be available this month.

Francis T.S. Yu, Evan Pugh Professor of electrical engineering, has published a book titled *Introduction to Optical Engineering*.

The book, co-authored with Xiangyang Yang of the University of New Orleans, is designed to introduce engineering students to some of the basic concepts in modern optical engineering and provide a foundation for those interested in continuing on with higher-level electro-optics courses.

Introduction to Optical Engineering deals with basic optical principles including reflection, refraction, aberrations, diffraction and interference, and simple optical instruments including photodetectors, spatial light modulators, holography and lasers. The book also contains chapters dealing with linear system transforms and signal processing, as well as fiber optics.

CQI

CONTINUOUS
QUALITY
IMPROVEMENT

Distance Education starts CQI effort

A new CQI team in Distance Education will focus on the services that are provided to students of the World Campus, particularly in the areas of course registration and payment of tuition. The team sponsor is Gary Miller, assistant vice president for distance education; the leader is Jean McGrath, assistant director, distance education, and the facilitator is Sue Cross, research assistant in University Testing Services. Team members are Rick Angell, April Aughenbaugh, Kay Jurek, Kathy McCool, Tammy Myers, Robyn Robinson, Pamela Selfe and Kathi Vaughan.

Winning a Quality Cup

Quality teams in colleges and universities are eligible to win one of six Quality Cups that are awarded each year by the Rochester Institute of Technology and USA TODAY. This spring the award was presented to a parking permit team at the University of California-Irvine, where students can now use the phone to buy parking passes. The passes are mailed by the manufacturer, not routed through the university. The issue to a parking permit dropped from 21 to five and the program is expected to net \$1 million in savings over five years. For information about applying for the RTI/USA TODAY Quality Cup, visit the Web at <http://www.qualitycup.org/>.

Outgoing members

The University Council on Continuous Quality Improvement would like to thank Cynthia Del Rosario, Pooja Dewan, Terri Dowdy, Gail Gilchrist, Scott Kretschmar, Rodney Reed and Susan Shuman for their contributions to the 1997-98 council. Penn State's distinction is enhanced by a commitment to CQI, creating an environment where high value is placed on teamwork, collaboration and communication.

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LEST@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.

Semiconductor industry gets training boost

By ÁNDREA MESSER
Public Information

Pennsylvania's semiconductor industry received a boost recently when Gov. Tom Ridge released \$2 million in state funding for training semiconductor manufacturing technologists as part of a University initiative. Semiconductors are the operative devices in everything from the Internet and digital electronics to cellular phones.

In Pennsylvania, semiconductors is a \$296.4-million-a-year industry with 61 companies employing nearly 6,500 people. The industry is in dire need of more highly trained workers, with estimates of more than 40,000 additional semiconductor manufacturing technologists required nationwide by 2001.

The \$2 million, which was released through the Ben Franklin Program, is the first part of a proposed five years of funding for training semiconductor technologists and for augmenting industry/University research in semiconductors. The Ridge administration's economic development efforts have been refocused to involve the

"This initiative will make us competitive with states like Texas and California that are home to the industry leaders."

—John Peterson
U.S. Representative, (R-23)

attraction of future high-tech jobs to Pennsylvania, including those in the global electronics industry.

"This initiative will make us competitive with states like Texas and California that are home to the industry leaders," said U.S. Rep. John Peterson (R-23). "The research and training provided by this facility will help us train a workforce for the 21st century and make us a player in one of the fastest growing industries in the world."

Peterson was Penn State's advocate in bringing the University's Semiconductor Manufacturing Initiative to Gov. Ridge's attention. The semiconductor industry has grown worldwide to be larger than the automobile and steel industries combined.

The associate degree program will be offered in cooperation with the Pennsylvania College of Technology and will include three semesters of study under the auspices of Penn College with a fourth, capstone semester at Penn State's Nanofabrication Facility on the University Park campus. This fourth semester will provide hands-on training in state-of-the-art facilities.

Unique aspects of the program will include tuition grants for graduates who remain and work in Pennsylvania and the capstone experience of training on actual manufacturing equipment in the nanofabrication facility.

The first graduates are scheduled for 1999 and a goal is to have 60 percent of those enrolled as two-year, degree students. It is hoped the remaining 40 percent will be industry personnel taking professional development courses to upgrade their skills.

Stephen Fonash is the director of Penn State's Electronic Materials and Processing Research Laboratory and the Semiconductor Manufacturing Initiative.

Penn Staters

James H. Adair, associate professor of ceramic science and engineering and director of the Particulate Materials Center, has been named a fellow of the American Ceramic Society.

John P. Beaumont, assistant professor of engineering at Penn State Erie, won the best paper award in the injection molding division of ANTEC, the annual technical conference of the Society of Plastics Engineers. Beaumont's paper was on the topic of his recent development in runner technology, the "melt flipper."

Michael M. Coleman, professor of polymer science, was named a fellow of the American Physical Society.

Tarasankar Deb Roy, professor of materials science and engineering, received the 1998 Warren F. Savage Memorial Award from the American Welding Society. This award recognizes the paper published in the *Welding Journal* that best represents "innovative research resulting in a better understanding of the metallurgical principles related to welding." The American Welding Society is the largest organization in the world dedicated to advancing the science, technology and application of welding.

Andrea D. Ellinger, an assistant professor of adult education who joined the School of Behavioral Sciences and Education faculty at Penn State Harris-

burg last year, has earned the inaugural Malcolm S. Knowles Dissertation of the Year Award for her doctoral dissertation titled "Managers as Facilitators of Learning in Learning Organizations." A committee of five professors from across the country made up the dissertation award committee. Her thesis at the University of Georgia examined the multiple ways that managers not traditionally charged with human resource development responsibilities facilitate their employees' learning within learning-oriented organizations.

Eric Gartzke, assistant professor of political science, is one of 17 scholars across the nation to be named a Salvatori Fellow by The Heritage Foundation, one of America's leading public policy research organizations.

During his one-year term, Gartzke will examine the principles underlying America's constitutional order, focusing on the Declaration of Independence, the Constitution and other important founding documents.

Ke Chung Kim, professor of entomology, was appointed as a research associate to the Carnegie Museum of Natural History and as an honorary member of the International Biographical Center Advisory Council of the United States. Kim also was certified as a Diplomat of the American Board of Forensic Entomology and was elected to the foreign editorial board of the *Journal of Asia-Pacific Entomology*.

Gerald McClearn, director of the Center for Developmental and Health Genetics, has been honored with the James B. Isaacson Award presented by the Foundation for the Prevention of Chemical Dependency Disease. McClearn is Evan Pugh professor of health and human development and biobehavioral health.

The award honors individuals for outstanding contributions to addiction research, particularly in the area of inherited characteristics of the addiction process.

Jay S. Patel, professor of physics and electrical engineering, has received a grant from the Defense Advanced Research Projects Agency for a research project titled "Fast Electro-Optic Devices for Next Generation Optics Cross Connects," which will be part of the federal government's Next Generation Initiative (NGI) initiative.

The NGI initiative is a multi-agency federal research and development program designed to advance networking technologies and develop new applications that are vastly superior to today's Internet. He will receive \$400,000 for the two-and-a-half-year project.

Jeff Trailor, assistant professor of management at Penn State Erie, has received a Sam M. Walton Free Enterprise Fellowship and will lead a Students In Free Enterprise (SIFE) team for the 1998-99 academic year.

Ulcer-causing bacteria discovered in Pennsylvania surface waters

By STEVE HEVNER
Penn State Harrisburg

A research team headed by Katherine Baker, Penn State Harrisburg assistant professor of environmental microbiology, has found the cause of chronic gastritis, peptic ulcer disease and certain types of stomach cancer — *Helicobacter pylori* (H. pylori) bacterium — in river, creek and lake water in Central Pennsylvania.

The study represents the first report of live H. pylori in surface water in the United States, demonstrating a major reservoir for this organism outside the human body.

Baker emphasized that the research to date has been limited to untreated water sources.

"More than half of Pennsylvania's residents obtain their drinking water from shallow wells which receive no disinfection. Therefore, we targeted non-municipal water supplies in our research," she said.

There is no evidence that H. pylori is found in municipal or treated water

supplies and research by the EPA indicates that chlorine disinfection kills the bacterium.

"I certainly have no qualms about drinking municipal water," Baker said.

Although H. pylori infects half the world's population, surface water as a primary source of infection was unknown before the research project involving Baker and John Hegarty, a Penn State Harrisburg graduate student in environmental pollution control.

H. pylori was first described in the early 1980s by Australian researchers. The organism is found in the stomachs of the majority of people in the world. In most people, it does not cause any disease. In a small percentage of individuals, the organism causes serious consequences. It is now accepted that H. pylori is the cause of most duodenal ulcers and between 70 percent and 80 percent of gastric ulcers. In the late 1980s, a link between H. pylori and certain types of stomach cancer was shown by researchers at Stanford University.

Normal testing procedures do not identify the presence of live H. pylori in water, so the researchers combined two staining techniques to enable them to count live H. pylori. The bacterium was found in more than 75 percent of the 36 tested samples.

"Water looks to be a major factor in the transmission of the bacterium," Baker said, pointing out that the organism was found in both surface water and untreated well water from shallow wells where surface water contamination is likely to occur.

Epidemiological studies have shown that infection with H. pylori is associated with levels of sanitation, particularly water sanitation. In developed countries, less than 50 percent of the population is typically infected, while in developing countries, the infection is almost universal.

Since the detection method is quite labor intensive, the team's next step is to develop a quick and easy test to monitor this harmful bacteria.

For more information, check the Web at <http://www.psu.edu/jur/NEWS/news/ulcerbacteria.html>

Process removes chemical from drinking water

A Penn State environmental engineer has developed the first successful microbiological process for treating drinking water contaminated by perchlorate, a rocket fuel ingredient detected in 14 states where rocket, munitions, fireworks and match manufacturers are located.

Bruce E. Logan, Stan and Flora Kappe professor of environmental engineering, filed a patent disclosure on the process, which relies on a mixture of several kinds of live bacteria to remove the pollutant.

High doses of perchlorate interfere with the absorption of iodine by the thyroid and is a serious human health concern when present in drinking water. Until Logan demonstrated his process, however, there was no proven removal technique available for the relatively low concentrations being found in the water supply.

For more information, check the Web at <http://www.psu.edu/jur/NEWS/news/fuelcleanup.html>

Mosquitoes don't take breeding with a pinch of salt

By SUSAN KEMPER
Eberly College of Science

Scientists have discovered that too much or too little sodium can be detrimental to the breeding success of mosquitoes and other insects. Christopher J. Paradise, postdoctoral researcher in the biology department, and William A. Dunson, professor emeritus of biology, made their discovery while conducting a study on the effect of atmospheric deposition of sulfates, nitrates and acids on insects breeding in small pools of water.

Paradise and Dunson examined populations of insects living in pockets of water with different ion concentrations in natural and simulated treeholes. Treeholes often form from stumps left behind after a forest has been completely cut down. When new trunks sprout from a tree stump, the center rots, and water collects in the resulting hole. Treeholes are common in such secondary-growth forests, occurring at the rate of up to 25 to 30 per acre. They also are found in neighborhood streets and backyards.

So it is a good idea to dump lots of salt in your backyard treeholes? "No," Paradise said. "While measuring sodium levels is a good method for predicting the density of a given population of mosquitoes, it is not a good method for control



Christopher J. Paradise, postdoctoral researcher in the biology department, checks a treehole-like bug trap in a State College park that is similar to the ones he and William A. Dunson have studied.

Photo: Greg Grieco

because every single treehole in the area would need to be treated with excess sodium."

Instead, Paradise said, "it's best if people protect themselves from mosquitoes by relatively safe and easy methods like covering up with

clothes or burning citronella candles."

The study was performed in the Pennsylvania State Gamelands near Sandy Ridge in Centre County. The researchers used simulated treeholes to study the amounts and effects of



Protect yourself from mosquitoes by covering up with clothes or burning citronella candles.

sodium on insects. Their simulated treeholes are insulated plastic containers covered with netting and filled with fixed amounts of simulated treehole water, dried treehole sediment and oak leaves. All the simulated treeholes, which were exposed to the same temperature and rain conditions, were composed of the same nutrients and water volume, with various controlled levels of sodium.

The research shows a consistent relationship between low sodium levels and high insect population densities in natural treeholes. It suggests that the amount of sodium is depleted by high numbers of insect larvae, or alternatively, that females may choose to lay their eggs in waters lower in sodium.

For more information, check the Web at <http://www.science.psu.edu/alert/mosquito6-97.htm>



Patch work

Lynn Bigelow, a mason with the Office of Physical Plant on the University Park campus, patches some cracks and fills gaps on the steps of Willard Building. OPP workers can be seen all over campus following their summer maintenance schedule. Recent rain has hindered many outdoor activities.

Photo: Greg Grieco

University student-athletes turn in good academic showing

This spring semester, 154 student-athletes posted a grade-point average (GPA) of 3.5 or higher — earning them dean's list recognition.

Of the roughly 800 student-athletes taking part in Penn State's 29 varsity sports, 365 had a cumulative GPA of 3.0 or above.

An NCAA survey released last summer showed that Penn State had a significantly higher student-athlete

graduation rate than the average NCAA institution nationally. Penn State student-athletes in the survey group (the entering class of 1990-91) had a graduation rate of 81 percent, compared to 58 percent for NCAA institutions across the country. Penn State's four-year graduation average was 80 percent for student-athletes, tied with Vanderbilt for seventh-best among the nation's Division I

institutions.

The survey also found that student-athletes on the University Park campus outperformed other Penn State undergraduates by three percentage points.

According to the survey, 78 percent was the average six-year graduation rate for all Penn State students in the class of 1990-91.

HUB maintains most services during arts fest

Although construction of the new HUB-Robeson Center is in full swing this summer, visitors to the Hetzel Union Building can use most services, particularly during the Central Pennsylvania Festival of the Arts scheduled for July 8-12.

The second- and third-floor restrooms will be open during the summer operating hours of the HUB, from 7:30 a.m. to 10 p.m. Eateries like the Cellar and Bean Machine will be open for breakfast and lunch only during weekdays, particularly Arts Festival dates: July 8-10.

For handicapped accessibility, visitors can use the west ground floor entrance across from McAllister Building and the U.S. Post Office, and the front entrance off Pollock Road. The east ground floor entrance facing the HUB Parking Deck will allow stairway access to the first floor, but does not permit through traffic to the ground floor. From the first floor, an elevator can be used to reach the upper floors.

The HUB Parking Deck will be open, but the metered parking spaces and turnaround in front of the HUB off Pollock Road are permanently closed. The roadway between the HUB and McAllister Building will be the only entrance and exit for all construction vehicles during the entire project. The road will stay open, with access to the Henderson Building parking lot, but there may be frequent disruption of traffic. Pedestrians and drivers are asked to use caution in that area.

The project will significantly renovate and expand the HUB and house the new Paul Robeson Cultural Center. Construction is scheduled to be completed in late fall semester 1999.

Obituaries

Carl S. Bittner, professor of pomology extension and chairman of the horticulture extension section in the College of Agricultural Sciences, from Jan. 15, 1930, until his retirement July 1, 1969; died May 14, at the age of 94.

Teresa A. Bowes, staff assistant V in the College of the Liberal Arts, from June 1, 1964, until her death May 11. She was 49.

Martha M. Breon, food service worker in Housing and Food Services, from Sept. 26, 1963, until her retirement May 25, 1977; died May 16, at the age of 83.

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Volume 27, Number 34

\$2.5 million awarded to help low-income adults

A record of success has earned Penn state \$2.5 million in new competitive federal grants that will allow the University's community-based Educational Opportunity Centers to continue in the Pittsburgh area and to resume in Philadelphia.

Over the next five years, the centers will help put several thousand low-income adults age 19 and older on a fast track to education and give them a new chance at life.

"Philadelphia County and Pittsburgh-area counties are targeted for the EOC federal programs offered by Penn State because they contain some of the most severe educational and economic problems in the state," said John Cahir, vice provost for undergraduate education. "Education is the key to a permanent difference and it also is vital to the workforce development necessary for

the future economic health of these regions."

After years of plant closings, downsizing and the disappearance of whole industries, the nine-county Pittsburgh-area served by the EOC program is in crises. Nearly one-third of the adult population is characterized as low income, 83 percent of the population does not have a bachelor's degree, and more than 63,600 are unemployed, with more than 243,300 on public assistance.

Philadelphia County, which has lost much of its educated and skilled population has a similar profile. About 16 percent of all families in Philadelphia County live below the poverty level, nearly twice the state average of 8.2 percent; 85 percent of people 25 and over have not completed

See "Low-income" on page 2

Pro-am cycling event spans two counties, two campuses

By LISA M. ROSELLINI
Public Information

If they're not here already, expect them soon. Within the next few weeks, hundreds of cyclists will begin dotting Centre County roadways in preparation for a competition that has been called "America's premier cycling event" — the Tour De "Toona. The cycling race has crossed its Blair County borders and will now include a leg in State College.

Touted as the biggest stage race in America for cycling with a purse of \$100,000-plus, the Tour De "Toona attracts between 850 to 1,000 cyclists who participate in one or all of the

rides that encompass six days and 600 miles. Now in its 12th year, the Tour De "Toona has grown significantly every year since its inception and will wind through "Happy Valley" and a portion of the University Park campus on Wednesday, July 29 — day two of the event.

"This race is a legend among bike racers in North America and it will have a major impact on this area," said state Rep. Rick Geist, R-Altoona, who announced the extension of the race into the Centre Region during a press conference in State College on June 19.

"You will have the 'who's who' of professional road cycling competing

See "Tour" on page 10



Concerted effort

Dana Woolard from the University of Missouri practices the cello in preparation for her part in the Music at Penns Woods Orchestra and Chamber Music Festival, which continues this month. For more information on the event that unites musicians from Brazil, Japan, China, Russia and a host of other countries and 20 different states, see "Arts & Entertainment" on page 8.

Photo: Greg Grieco

Inside



Sending in the clowns

The Central Pennsylvania Festival of the Arts brings out the kid in many of us. In fact, three University employees really act like clowns during the event. For the full story, turn to page 6.



Promising discovery

A common type of fat found in red meat may prevent diabetes, according to researchers from Penn State and Purdue. For more on this research, turn to page 11.

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EMPLOYEE BENEFITS

A regular column provided by
the Office of Human Resources

Flexible benefits checks to be issued twice a month

Flexible benefits reimbursement checks will be issued twice a month instead of once a month, beginning this month. As in the past, requests for flex benefits reimbursements received by the first working day of each month will be mailed on the fifth working day of the month. However, now those received between the first working day and the 15th of the month will be mailed five working days after the 15th.

Flexible benefits request for reimbursement forms are available as a printable benefit form from the Office of Human Resources Web site at <http://www.ohr.psu.edu>. To access the form, click on "Benefits" and then click on "Benefits Forms on Line" and then on "Flexible Benefit Request for Reimbursement." The flexible benefits summary also is available on the Web. Forms also may be requested by contacting the Employee Benefits Division.

Questions regarding flexible benefits may be directed to the Employee Benefits Division at (814) 865-1473 or by e-mail at bene@psu.edu.

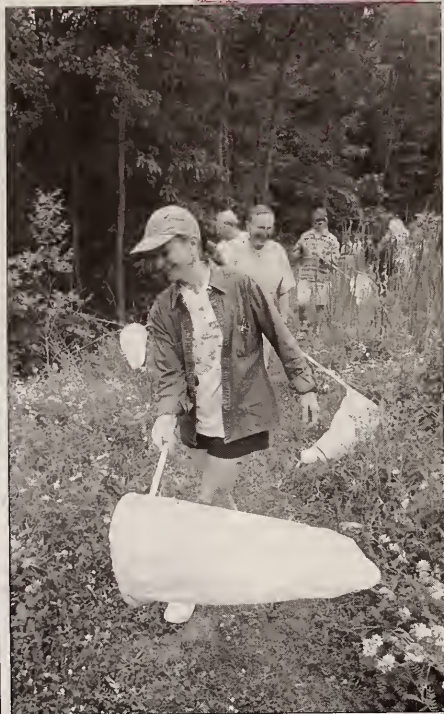
Spanier receives leaders award

The American Association of Family and Consumer Sciences has honored President Graham B. Spanier with a Leaders Award for his contributions to the family and consumer sciences.

Spanier, who also is a professor of human development and family studies, a professor of sociology and a professor of family and community medicine, received a Leaders Award for his significant contributions to the profession and the association. He was one of 10 individuals nationally to receive an award.

The association represents more than 14,000 professionals who work toward improving the quality of individual and family life through education, research, cooperative programs and public information.

Bagging some bugs



Photos: Greg Griebco



Teachers put aside squeamishness to learn more about nature

Literally beating the bushes for insects (left), area teachers — led by Heidi Appel, an insect physiologist in the Department of Entomology — head through bug-infested terrain at Laurel Haven Conservation Education Center outside of State College. The 50-acre education center, part of the School of Forest Resources, is the site of the annual "Bug Camp for Teachers." The Bug Camp for Teachers, held June 15-18, reintroduced educators to the world of arthropods and supplied teachers with creative ideas for using insects in the classroom to make learning fun. Above, a proud camper displays his squirming catch.

"Bug Camp for Kids," an educational day camp designed to teach children about the world of insects and provide hands-on experiences, ends today.

For anyone who missed the opportunity to grab a grasshopper or snatch a spider, more bugs will be coming to the University Park campus as part of The Great Insect Fair, an annual event where brave visitors can partake of the "Insect Deli" — a booth that includes delicious dishes like Chocolate Chirpies (chocolate-covered crickets) or meal-worm stir fry.

The Great Insect Fair is set for Sept. 26. For more information, visit the Web at www.ento.psu.edu/home/announce/announce.html

Low-income

Continued from page 1

ed requirements for a baccalaureate degree; one out of every five Philadelphians receive some form of cash assistance from the government; and 6 percent of the population is unemployed.

"In an economy where the standard of living is determined by income, and income is increasingly determined by educational attainment, the Educational Opportunity Centers can help thousands of individuals without baccalaureate degrees enroll in postsecondary education," said Howard Wray, associate dean for undergraduate education who is responsible for the University's Academic Assistance Programs. Potentially, about 1.5 million adults are eligible in the nine Pittsburgh-area counties and about 90,000 are eligible in Philadelphia County.

The Pittsburgh-area Educational Opportunity Centers have headquarters at Penn State McKeesport, DuBois and Fayette to serve Allegheny, Westmoreland, Armstrong, Beaver, Clearfield, Indiana, Jefferson, Fayette and Greene counties. They are under the direction of Alice Jones, director of Academic Assistance Programs at Penn State McKeesport. Sites for services include community service centers, job centers and veterans organizations.

The Philadelphia program, under the direction of Mable Lee, assistant to the associate dean, has headquarters at the Philadelphia Center for Human Development, 4601 Market Street, with a satellite at Penn State Abington to serve clients in outlying areas. Sites for specific services will be established by the mayor of Philadelphia.

Through extensive outreach programs, cooperation and referrals from a broad range of community services, EOC staff identify eligible adults inter-

ested in applying to postsecondary institutions — technical, vocational and academic institutions — and provide information on financial and academic assistance. They also encourage and help those without high school diplomas to get a G.E.D., offer skill-building and developmental workshops to help clients overcome obstacles to continuing their education as well as provide career testing and counseling for displaced, unemployed and underemployed workers.

This is the third round of grants for the Pittsburgh-area program and the first for Philadelphia County since that program was discontinued in 1994. In national competition through the U.S. Department of Education the two Penn State EOC academic assistance programs scored in the top 10 percent of their categories and were awarded five-year funding instead of the typical four. Of the 246 EOC applications nationwide, only 81 were funded and only eight of those were new programs.

Lectures

Multicultural Journalism Workshop set for this month

For two weeks in July, 18 high school students from throughout the state will gather at Penn State's University Park campus for the College of Communications' Summer Multicultural Journalism Workshop.

The goals of the program are to give students the opportunity to gain hands-on experience and a deeper understanding of careers in journalism while creating future leaders in media industries. The workshop, which will be held July 5-17, teaches students basic news writing and newspaper production. In addition, the students will have opportunities to tour the college as well as several media outlets. On the final day of the workshop, Roxanne Jones, senior editor of ESPN Sports magazine, will speak. For more information, contact Joseph Selden, director of multicultural affairs for the College of Communications, at (814) 863-6081.

Trial advocacy workshops at Dickinson School of Law

The Dickinson School of Law will conduct two major trial advocacy workshops in August.

The 19th annual Trial Advocacy Seminar and Workshop will be held Aug. 3-6. Participants in the four-day program can satisfy their Pennsylvania continuing legal education requirements for two years under present standards. The seminar has been approved for 24.5 hours of substantive law credit and two hours of ethics credit.

The second annual Prosecutors' Trial Advocacy Seminar will be held Aug. 10-12 in cooperation with the Pennsylvania District Attorneys Institute. This three-day program has been approved for 17 hours of substantive law credit and one hour of ethics credit.

While the emphases are slightly different in each program, both use a hands-on approach in which participants hear lectures and see demonstrations and then participate in videotaped exercises, which are critiqued by the seminar faculty. In the Trial Advocacy Workshop, participants will conduct all portions of a civil trial. In the Prosecutors' Trial Advocacy Seminar, participants will conduct all portions of a criminal trial.

For more information, contact Elaine Bourne in the Continuing Education Office at (717) 241-3520; e-mail: eqb3@psu.edu.

Data center to share info at September conference

The Pennsylvania State Data Center is planning its annual Data User Conference for Sept. 16 in Harrisburg. Through the conference, the data center — the Commonwealth's official source of population and socioeconomic statistics — will share new technologies, policies and information with stakeholders of data collection, analysis and dissemination. For more information, call (717) 948-6336.



Relief from the heat

Carrie Gratzmiller, an officer with Police Services on the University Park campus, practices her skills dousing fires recently during a fire safety training event. Gratzmiller is being instructed by Steve Triebold, a fire protection engineer with Environmental Health and Safety for the University, who was not caught on camera. Officer Gratzmiller is using dry chemicals to put out the fire.

Photo: Greg Grieco

Search is on for associate vice president for research

Applications and nominations are now being accepted for the position of associate vice president for research, who will serve as director of the Office of Strategic and Interdisciplinary Initiatives and report to the vice president for research.

Responsibilities include: fostering the further development of major strategic and interdisciplinary research activities at the University by working with the faculty and administration to organize large-scale multi-investigator, multidisciplinary research teams; facilitating collaborative proposals, and promoting constructive interaction among colleges, intercollege research programs, and emerging research consortia; and, along with the vice president for research, serving as a spokesperson and advocate for collaborative approaches to research at the boundaries of traditional academic disciplines.

In addition, the associate vice president administers and provides overall leadership for the University's intercollege research programs, a group that currently consists of six active units whose research activities span the arts and humanities, social and behavioral sciences, engineering and materials sciences. Intercollege research programs generate about \$30 million in research activity annually.

Enhancing the University's research environment and competitiveness by collaborating with the Office of Governmental Affairs and the Office of University Development and Alumni Relations to develop closer working relationships with funding agencies, businesses, foundations and other private research sponsors also is a duty of the position, as well as administering the University's Animal Resource Program.

Candidates should have demon-

strated accomplishments in initiating, organizing and managing major research programs in a university environment; extensive knowledge of interdisciplinary research and federal, state, industrial and foundation research funding; strong entrepreneurial, managerial, organizational and communications skills; and the ability to work effectively with faculty, administrators, government officials and industry. A Ph.D. is required. A faculty appointment in one of Penn State's academic departments may be arranged.

Send nominations or letter of application, resume and names of three references to: Irwin Feller, chair, Search Committee for Associate Vice President, 304 Old Main, Box Z, University Park, Pa. 16802.

Review of resumes will begin Sept. 1 and continue until the position is filled.

Visitors to Spend a Summer Day at University Park

About 6,000 visitors — high school seniors and their families — will visit University Park over July 24, 27 and July 31 for Spend A Summer Day. The annual event, coordinated by the Office of Undergraduate Admissions at University Park, is designed to give high school seniors, many of whom will be seeing a Penn State campus for the first time, helpful information about the University and a taste of campus life.

About 2,000 visitors will be on campus each of the four days. Students and their families will attend a presentation by admissions representatives and currently enrolled students and take bus tours of the campus. Each of Penn State's academic colleges also will welcome students to presentations highlighting academic life at Penn State.

An information fair at The Bryce Jordan Center will feature represen-

tatives from various University offices. Presentations by the academic colleges will take place during most of the day. Students also can get information about Penn State's other undergraduate campuses located throughout the state.

High school seniors may register by phone to attend Spend A Summer Day. For more information or to register, call (814) 865-5471.

Faculty/Staff Alerts

Let's talk about toys

Changes in the toy industry in recent years will be discussed on the next edition of "To the Best of My Knowledge," President Graham B. Spanier's monthly radio call-in show. The program will air Monday, July 6, at 7 p.m. on public radio station WPSU-FM (90.1, 91.5, 106.7 & 100.9).

Spanier's guest on the program will be Gary Cross, Penn State history professor and author of *Kids' Stuff: Toys and the Changing World of American Childhood* (Harvard University Press, 1997). Also participating, by phone, will be a spokesperson for the nation's toy industry.

Listeners can join the discussion by calling 1-800-543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>. They also will be able to contact the president during the program via e-mail at response@psu.edu.

Come and create

The Hetzel Union Center for Arts and Crafts on the University Park campus will begin the second session of its summer schedule of classes soon. Both adult's and children's classes begin the week of July 6. To sign up, come by room 312 HUB or call 863-0611. There are classes in pottery, textiles, stained glass, drawing, painting, yoga, creative writing and more. The center is open from 9 a.m.-10 p.m. every day, but will be closed July 4.

Mail delays possible

On Wednesday, July 29, a portion of Tour De Toona, an annual pro-am cycling event, will take place on and around the University Park and Penn State Altoona campuses. Mailing Services will be operating during the race, however, due to the race course and schedule some campus mail delays may occur.

Basketball schedule

The Nittany Lion men's basketball team has added three Pennsylvania rivalries to its non-conference schedule for the upcoming 1998-99 season. Home dates with Temple and Villanova universities and the University of Pennsylvania highlight a 10-game, non-conference slate that also includes the return of Midwest foe Bradley and a trip to Tucson, Ariz., for the Fiesta Bowl Tournament in December. Six of the 10 games will be played in The Bryce Jordan Center, beginning with the season opener against the Virginia Military Institute on Nov. 16.

The Big Ten schedule will not be finalized until later in July, when the entire Penn State schedule will be released.

Fulbright reminder

The deadline for most Fulbright grants at the senior scholar level for academic year 1999-2000 is Aug. 1. Please contact John M. Keller, Fulbright adviser and outreach officer in the Office of International Programs, with questions about the program at jmk13@psu.edu. A brochure and application forms are available from Janet Haner in 222 Boucke at University Park, or by e-mail at jah3@psu.edu and phone at (814) 863-7011. Program information and application forms also are available on the Council for International Exchange of Scholars Web site at <http://www.cies.org/>.

Appointments

Three take on leadership roles in College of the Liberal Arts

Three key positions within the College of the Liberal Arts have been filled. Keith Crnic, professor of psychology, will now head the department of psychology; Caroline D. Eckhardt, professor of English and comparative literature, has been named director of the new School of Languages and Literatures; and Michael Hecht, professor of speech communications, will head the Department of Speech. All appointments are effective July 1.

■ Crnic received his Ph.D. from the University of Washington in clinical psychology. The National Institute of Mental Health and other agencies have supported his work on parent-child relationships and other child-clinical issues over the past several years. The author of numerous papers and book chapters, Crnic also is the co-author of *Everyday Stresses and Parenting, The Handbook of Parenting, Vol. 4*. He has served in various capacities on national health panels as well as on editorial review boards for 10 professional journals.

In addition to his duties as professor and head, Crnic chairs the University's Human Subjects Behavioral IRB and the U.S. Public Health Service, Maternal and Child Health Bureau's Research Grants Program Review Committee.

■ Eckhardt, who also is head of the Department of Comparative Literature, specializes in medieval literature, especially Chaucer and medieval chronicles of the 12th to 15th century. She is the author or editor of several books, including *The Prophetia Merlini of Geoffrey of Monmouth: A Fifteenth-Century English Commentary and Castelford's Chronicle, or the Book of Brut*. Her research has earned her several grants from the National Endowment for the Humanities, the American Philosophical Society and the American Council of Learned Societies.

The School of Languages and Literatures will promote and facilitate the study of foreign and second languages and literatures. The school will include the Department of Comparative Literature, which Eckhardt will still oversee; the Department of Germanic and Slavic Languages; the linguistics program; the Center for Second Language Acquisition, which focuses on technology-assisted learning of a second and foreign languages; and the Max Kade German-American Research Institute.

■ Hecht is an award-winning scholar in the area of interpersonal and intercultural communication and has a special interest in adolescent drug abuse prevention. He has published more than 50 articles, and his book, *African American Communication: Ethnic identity and cultural interpretations*, won a distinguished scholarship award from the Speech Communication Association's Intercultural Division. In addition to publishing and his work on numerous grants, Hecht has produced video projects for public television and classroom use on issues ranging from drug resistance to homelessness. He also is the principal investigator for a multimillion-dollar grant on communicating substance abuse messages, and Sage Publishing has just released his newest book, *Communicating Prejudice*.

Delaware County welcomes director of development

Mary Anne Rees has been named director of development at Penn State Delaware County. Rees succeeds Lynn Johnson, who is currently director of development for the Commonwealth College.

Before accepting the position, Rees was director of development and dean of the School of Music

at West Chester University. At West Chester, Rees was responsible for a substantial increase in giving to the School of Music, as well as designing and implementing several music student recruitment initiatives which resulted in a significant increase in undergraduate and graduate student enrollment.

Rees also served as assistant dean for undergraduate studies at Northwestern University, and assistant dean of the School of Music at Ithaca College. Rees has had extensive experience in student recruitment and alumni work.

She has presented numerous papers at national conferences on topics related to music schools in higher education, and has had several articles published in journals. Rees is an accomplished pianist and presents solo piano recitals annually aboard the Queen Elizabeth II, as well as other various performances as soloist and accompanist.

Rees earned a bachelor of music degree in piano performance and a master of music degree in music theory from Indiana University, and a doctorate in higher educational administration with supporting area in music from the University of Oregon.

Jordan Center staff on board

Bernie Punt has been promoted to director of public relations at The Bryce Jordan Center. Punt has been with the Jordan Center since the doors opened in January 1996. He was formerly the center's marketing and publicity manager. Punt earned a B.A. in telecommunications from Penn State in 1984.

Joining Punt is Barb Robuck, who has been named the new director of marketing at the Jordan Center. Robuck's extensive background in marketing spans a 12-year career as marketing, advertising and promotion manager for Uni-Marts Inc. Robuck earned a B.S. in marketing from Penn State in 1983.

Since its opening in 1996, The Bryce Jordan Center has received numerous accolades and has been the top grossing venue of its size in the United States the last two years.



MARY ANNE REES



BERNIE PUNT



BARB ROBUCK

Obituaries

Adelene C. Eisenhart, general helper in Business Services, from Oct. 20, 1969, until her retirement March 28, 1981; died May 24. She was 82.

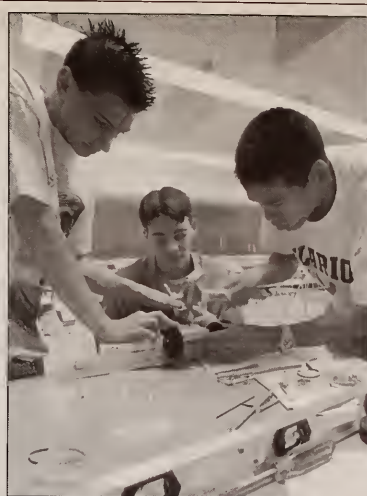
Lee A. Homan, horticulture aide in the College of Agricultural Sciences, from Jan. 1, 1946, until his retirement Jan. 1, 1979; died May 19, at the age of 82.

Ernest H. Ludwig, associate dean in the Graduate School, from Sept. 1, 1956, until his retirement Jan. 1, 1982; died April 17. He was 82.

Alonzo C. Murphy, glassblower in the Eberly College of Science, from Sept. 1, 1956, until his retirement Jan. 5, 1991; died April 22, at the age of 77.

Hazel I. Myers, scheduling supervisor in Management Services, from June 1, 1949, until her retirement Aug. 1, 1972; died May 7. She was 85.

G. Thomas Passananti, assistant professor in the College of Medicine at The Hershey Medical Center, from Feb. 1, 1970, until his retirement June 30, 1991; died April 20, at the age of 72.



Making it go

High school students Brian Wessner, Pat Hopple and Enoch Lee build a car during the weeklong VEC-Tour camp, which continues throughout July in the College of Engineering.

Photos: Greg Grieco

Summer opportunities



Building a better rocket

The College of Engineering offers a multitude of summer programs to help high school students learn the fundamentals of engineering and gain an interest in research.

Above, Fawn Draucker builds a rocket as part of the SOARS program that acquaints high school juniors and seniors with NASA-related research. SOARS (Special Opportunities and Research for Space) ends Friday.

Other upcoming programs in the college include Women in Science and Engineering Week, set for July 19-25; Visit in Engineering Week for minority students, scheduled for July 12-18, July 19-25; and Aug. 2-8; a four-week academic enrichment and career awareness program from July 11-Aug. 18; and a summer bridge program for freshmen in engineering and science-based majors, called PREF, which is aimed at ensuring college success. It runs through Aug. 8.

Smeal College dean announces intent to step down by 1999

J. D. Hammond, dean and holder of the William Elliott Chair of Insurance, has announced plans to step down as dean of The Smeal College of Business Administration no later than Sept. 1, 1999, or until a successor is appointed.

He will continue to hold the William Elliott Chair of Insurance, and plans to focus his work on a new center for entrepreneurial leadership for the college. Hammond was named dean in April 1989 and planned at that time to limit his term to 10 years.

In his tenure as dean, Hammond has initiated curricular reform and major program revisions at all degree levels and has been a leader at the University in internationalizing all dimensions of the management education process. He also was the principal investigator of a \$1 million IBM Total Quality Management Grant in 1992.

A long-time champion of diversity in business education, he initiated a broad-based diversity studies requirement in the bachelor's degree program in

1993 that was recognized by *The New York Times*. That year, the college also earned second place nationally in *Business Week's* Guide to the Best Business Schools in attracting and retaining minority students in its MBA program.

A graduate of Northwest Missouri State College, Hammond was appointed instructor of insurance at the Wharton School at the University of Pennsylvania in 1958 and completed his Ph.D. from Penn in 1961. He was an assistant professor of economics at The Ohio State University from 1959 to 1964 when he joined the Penn State faculty as an associate professor of business administration. He was promoted to professor in 1969, was named the William Elliott Faculty Fellow in 1977 and served as chair of the Department of Insurance and Real Estate from 1986 through 1989.

This year, the *Princeton Review* ranked The Smeal College 10th among best business graduate schools for its strong marketing-skills programs, and the *U.S.*



J.D. HAMMOND

News & World Report's list of America's Best Colleges ranked the college ninth among best undergraduate business programs. *Business Week* ranked Penn State seventh as best value MBA programs in 1996 and fifth as a top university provider among public universities of executive education in 1997. It also ranked the executive education manufacturing and R&D program fourth and its human resources programs fifth nationally.

Partings

Helen A. Harpster, operator A, satellite copy center in Business Services, from Oct. 31, 1971, to May 30.

Barbara L. Latz, contracts and proposals specialist in the College of Medicine, The Hershey Medical Center, from Aug. 1, 1970, to June 1.

Elaine K. Neidigh, staff assistant VI at The Hershey Medical Center, from June 3, 1973, to June 6.

Lois A. O'Shell, staff assistant VII at The Hershey Medical Center, from May 21, 1979, to June 20.

Rose A. Fuchalla, associate director in Student Affairs, from Aug. 17, 1976, to May 1.

Pearl S. Rolnick, staff assistant IV at Penn State McKeesport, from June 17, 1982 to June 1.

Bonnie J. Ryder, staff assistant VI in Business Services, from Nov. 1, 1977, to May 31.

I. Elizabeth Specht, program assistant in the College of Agricultural Sciences, from Nov. 8, 1982, to May 31.

Emeritus

The following individuals have earned emeritus rank from the University for their longstanding and productive years of service.

Jacob B. Baumann, associate professor of chemistry in the Eberly College of Science, from Sept. 1, 1965, to July 1.

Ronald W. Dietz, associate professor of biology in the Eberly College of Science, from Sept. 1, 1962, to July 1.

Central Pennsylvania Festival of the Arts

July 8-12, 1998

BEHIND THE MASKS

University people clown around at arts festival

By BILL CAMPBELL
Special to Intercom

Melisande McCrae is rekindling her childhood.

Tammy Miller is spending time with her family.

Renee Steffensmeier is giving back to the community.

But, they all have one thing in common. They love to see people — especially children — have fun. And they make them laugh by performing as clowns.

The three are among hundreds of University faculty and staff members involved in all aspects of the annual Central Pennsylvania Festival of the Arts, scheduled for July 8-12 in State College and on the University Park campus.

Penn State volunteers serve on the festival's board of directors; in information booths; with crowd control; in setup and cleanup of various activities; and as members of musical groups providing entertainment.

And, then, there are the clowns. Their big moment will come on "Children's Day," Wednesday, July 8.

"I was involved in Children's Day at the arts festival for the first time last year," said McCrae, a neophyte clown whose day job is manager of electronic communications in the Department of Public Information.

"I was assigned to a designated area on Old Main lawn, but before I got there I was mobbed by little children. They quickly began posing and making faces for my pretend camera. By getting them to go on a journey with me, we were able to create a magical and fun moment. I just loved it."

Miller, who is training coordinator at the Applied Research Laboratory, has performed at Children's Day over the past several years with her daughters, Tiffany, 17, and Lacey, 14.

"Even though it's either hot or raining, it's an enjoyable all-day event," she said. "Kids come to you. They find you. We pass out stickers — smiley faces, heart-shaped, a dinosaur. The children love them."

"It's great to see kids get all excited about a clown," said Steffensmeier, assistant professor of sociology at Penn State Altoona, who is returning to Children's Day after a two-year hiatus.

"They are just thrilled and wide-eyed. It's a tremendous feeling to give to the kids and the community."

While the three became involved in clowning for a variety of reasons, they all are members of Clowns on



Keeping their day jobs

Tammy Miller, also known as "Hugz" the clown, and Melisande McCrae, alias "Sweet Potato," are caught clowning around at the Nittany Lion Shrine. Miller, who works in the Applied Research Lab, and McCrae, who works in the Department of Public Information, will be featured attractions at this year's Central Pennsylvania Festival of the Arts Children's Day on the University Park campus.

Photo: Greg Grieco

"Clowning involves getting people to suspend their disbelief for the moment. You have to believe to be believable."

— Melisande McCrae
"Sweet Potato" the clown

Call, a Centre-County based group that was formed in 1985 by Anita Thies, a former staff member in the Department of Public Information. The group, which currently has 18 members, is available to perform at any non-profit event. You will find Clowns on Call members at the Special Olympics, the Children's Miracle Telethon, Relay for Life, the IPC Dance Marathon and State College's First Night (New Year's Eve celebration),

among others. Several members, including Miller and current president Robert Bressler, also perform private work, such as birthday parties.

"All you need to be a clown is to have a little kid inside of you," said Bressler, who is an electrician at Corning Asahi Video Products Co. in State College. "There is nothing more rewarding than having children clamoring for your attention and being a part of your world for five minutes. If you haven't experienced it, it's hard to explain. You'd have to do it to understand the satisfaction and joy that comes from it."

Of course, you couldn't be a clown without a name and a costume.

McCrae is "Sweet Potato," complete with an orange costume.

"The name just came to me, and I immediately saw what my costume was to look like. I sketched it out and found a general pattern for it. Unfortunately I can't even sew a button. But Karen Rugh (manager of University Relations) was gracious enough to make the costume for me."

In her clown life, Steffensmeier is "Lollipop." Her costume consists of a bright colored fabric that she put together as a pajama costume-type outfit.

"My friends are very enthusiastic about my being a clown," she said. "When I'm clowning, they enjoy knowing someone doing this. If they have young children, they point me out to them."

"A clown is not supposed to reveal his or her identity. But I grew up in the Midwest and I have a recognizable voice. As a result, it's hard to hide my identity."

Miller is "Hugz," with a 'z' instead of an 's.' Tiffany is "Chucklez" and Lacey is "Twinklez." At Children's Day, Miller will wear a vibrant costume of red heart pants, a bright yellow shirt, red wig and white face.

"My daughters got involved because of me," she said. "I thought it would be a great way for us to spend time together. It has been that, and more. In fact, Tiffany, who has been selected for the Junior Miss competition, will do a clown balloon animal skill as part of her talent presentation."

McCrae admits to being the class clown while she was growing up.

"I made the other kids laugh, but then was able to compose myself so

See "Clowns" on page 7

Central Pennsylvania Festival of the Arts

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Clowns

Continued from page 6

the teacher wouldn't know I was the disrupter. I also was the clown of the family. Professionally and socially, I'm very composed. People don't know the clown side of me. But, as I get older, I'm rekindling and tapping into that side."

If you allow, Miller, who holds a bachelor's and a master's degree in speech communication, will offer a treatise on the history of clowning and the clown hierarchy.

The oldest type of clown — and also the one at the top of the clown hierarchy — she pointed out, is the white-faced clown. It is the more elite clown, such as Bozo or Ronald McDonald. The clown is well clothed and the entire face is covered in white or colors.

At the second level is the auguste clown, which evolved in Germany, when a clown chasing a white-faced clown tripped and got a chorus of laughter from the audience. He was called "auguste" which means stupid. This clown shows some skin tone.

The third level is the broad category of character clown. This would include Emmett Kelley or the Keystone Cop. This clown fits into a character and the costume varies widely depending on the character.

The hierarchy is important, she said, because a clown can only pull a prank on another clown at a lower level.

"Communication is different when you talk to a clown," she added. "The communication is not threatening. Clowns have been around for more than 2,500 years. I love the history of clowning as much as I love dressing up."

McCrae, who attended Clowm Camp at the University of Wisconsin at LaCrosse last year, is interested in caring clowning — performing at hospitals and senior citizens centers — and clown ministry. She will introduce her character to her church, Unity Church of Jesus Christ, State College, on Sunday, July 12.

"I spend a lot of time in toy stores and arts and crafts stores looking for props that I can transform into something to create a moment for people. Clowning involves getting people to suspend their disbelief for the moment."

"You have to believe to be believable. One of my props is a little rubber goldfish. If I think the rubber goldfish is real, they're likely to believe it. That can be magical."

For Children's Day, McCrae will add a hula hoop to her list of props. Steffenmeier, who considers herself more of a greeter of children rather than an entertainer, will do a variety of pretend things. Miller is preparing to do face painting, balloon animals and "pocket" or "walk-around" magic.

For the arts festival, the clowns are ready. Bring on the children.



Going up

The festival shell will soon be going up on the lawn of Old Main in preparation for the Central Pennsylvania Festival of the Arts, July 8-12.

Photo: Greg Grieco

It's Happening on Campus

WHAT: Central Pennsylvania Festival of the Arts

WHEN: Wednesday, July 8, through Sunday, July 12

WHERE: State College and University Park campus

DESCRIPTION: Live music, art demonstrations, local and national artists displaying and selling their work. Wednesday is Children's Day: activities for youngsters and the young at heart. Fun!

FOR INFORMATION ON THE FESTIVAL: Call (814) 237-3682; for information on Children's Day, call (814) 231-3071.

A free bus is available from lot 44 to all the downtown festival activities.

CONSTRUCTION UPDATE

How to get around during arts festival

On-campus

Although Penn State has 125 construction projects spread across the University Park campus this summer, most of them will not directly affect this year's Central Pennsylvania Festival of the Arts. The two largest projects, the renovation of the new Hetzel Union Building-Robeson Center and the Fattee Library addition are in full swing, but traffic patterns around the sites are essentially normal. However, festival-goers should expect occasional deliveries of construction materials and heavy construction vehicles to be in the area. Renovation work in Waring Dining Hall and Recreation Building will create additional construction traffic on Burrows Road as well. Visitors to the HUB will be able to use most of its services during the arts festival, but the HUB lawn will not be used for exhibits this year.

Curtin Road, between Shortlidge and Bigler roads, has been opened to traffic to compensate for the closure of Bigler Road, from Pollock Road to the Sarni Tennis Center, for summer parking. The opening of Curtin Road will provide campus visitors with a direct route to parking area 44, where most arts festival parking occurs. A free bus is available from lot 44 to all the downtown festival activities.

Fraser Road also will be opened to allow access for employees and delivery vehicles to the Willard and Deike parking areas. There will be no on-street or curbside parking on Fraser Road. Pollock Road will be closed from McAllister Building to Burrows Road for festival activities, and Burrows Road will be closed from Pollock Road to College Avenue.

Sidewalk construction along Park Avenue will continue throughout the festival. On-street work is being minimized whenever possible. Lane closures will only occur between 9 a.m. and 3 p.m. and all construction will stop by 4 p.m. This project is being coordinated with the PennDOT construction on North Atherton Street.

Additional construction information for University Park is available on the Penn State home page at <http://www.psu.edu/> or at the Office of Physical Plant home page under news: <http://www.opp.psu.edu>.

Off-campus

Summer is construction season and some main thoroughfares leading to campus are undergoing repairs. Festivalgoers should expect some delays. The following areas are being worked on:

- North Atherton Street is undergoing resurfacing and storm water drainage improvements on a section between Galen Drive and College Avenue through August. No work will be done during the Central Pennsylvania Festival of the Arts.
- A rebuilding of a section of University Drive from Easterly Parkway to Nimitz Avenue will continue through August. A detour is in place.
- East College Avenue (Route 26) road widening to three lanes on a section from Transfer Road to Benner Pike intersection (near the mall). Crews have been working at night to alleviate traffic delays.

Visitors from the eastern part of the state may notice work being done on the Dauphin Bypass (U.S. Route 22/322 Traffic Relief Route), but PennDOT officials say the work during arts festival should have little impact on festivalgoers. Construction to address traffic congestion on that section of road began in June and will take three construction seasons to complete. In addition to building a bypass along the western side of Dauphin Borough, the project will also include reconstructing 7.5 miles of Route 22/322 from the area near Route 443 south of Dauphin Borough to just south of Clarks Ferry Bridge.

ARTS & ENTERTAINMENT

AT PENN STATE



Children of Eden

Children of Eden, the musical retelling of the Book of Genesis, opens July 17 on the University Park campus at the Playhouse Theatre. For more information, call (814) 863-0255.

Music at Penn's Woods

A festival that brings together professional musicians from symphonies, conservatories and universities throughout the world kicked off recently on the University Park campus and offers opportunities for listeners in the month of July. The event unites musicians from Brazil, Japan, The Peoples Republic of China, Korea, Colombia, Russia and Hungary with musicians from 20 different states for four weeks of music making.



Pu-Qi Jiang will conduct on Sunday, July 5.

The Music at Penn's Woods Orchestra and Chamber Music Festival continues at 7:30 p.m. Friday, July 3 and Friday, July 10, in Eisenhower Auditorium with free chamber music concerts. Free concerts are also slated for 7:30 p.m. Wednesday, July 8, and Thursday, July 9, in the Recital Hall of the Music Building.

On Sunday, July 5, at 3 p.m. in Eisenhower Auditorium, Pu-Qi Jiang

will conduct while concerto competition winners perform; and on Saturday, July 11, at 7:30 p.m. in Eisenhower Auditorium the Music at Penn's Woods Orchestra and Chamber Music Festival will feature several artists, soloist and guest conductor Martin Hardy from England. On these dates, pre-concert discussions will be held in Eisenhower Auditorium one hour before the downbeat. These two performances require tickets, which are on sale at the Arts Ticket Center at (814) 863-0255. For program information, go to the Web at www.music.psu.edu/

Pennsylvania Centre Stage

"Death of a Salesman," Arthur Miller's Pulitzer Prize-winning play about the American dream, opened in mid-June at the Playhouse Theatre on the University Park campus and continues.

Widely considered one of the greatest American plays ever written, "Death of a Salesman" will star George Dzundza as Willy Loman. Dzundza is perhaps best known for his role as Max Greevey during the first season of the hit TV series *Law & Order*. He also has appeared in numerous films including "Crimson Tide" (1995), "Dangerous Minds" (1995), "Basic Instinct" (1992) and "The Deer Hunter" (1978).

Almost 50 years after it first opened, "Death of a Salesman" remains relevant to audiences today

because "people are still pursuing the American dream" says the play's director Dan Carter, who also serves as artistic director of Pennsylvania Centre Stage. "Death of a Salesman" first opened on Broadway in 1949 and also won the New York Drama Critics Award for best play of the year.

The production will play at 2 and 8 p.m. through July 4. Tickets are \$25 for adults and \$22 for students.

Other productions planned by Pennsylvania Centre Stage, a regional, professional summer theatre at Penn State, are:

■ July 3, 4, 8-11 and 14-18 — "The Foreigner," a comic romp set in rural Georgia, at the Pavilion Theatre;

■ July 17, 18, 21-25, 28-31 and Aug. 1 — "Children of Eden" at The Playhouse Theatre. An inspirational new musical for the whole family from the creators of "Godspell," "Pippin," "Les Miserable" and Disney's "Pocahontas."

For ticket information, call (814) 863-0255. Toll free (800) ARTS-TIX.

Pleasant diversions

Faculty and staff on the University Park campus will have some pleasant diversions from work during the summer months. As part of the Music at Noon series, faculty and staff can stop by the Fisher Plaza from noon to 1 p.m. on Tuesdays and Thursdays and catch some musical offerings or can stop by the Creamery on Fridays from 7-8 p.m. for 85-cent ice cream cones and to hear selected musical groups as part of the University's "Diversions" musical series. The following musicians will perform in the coming weeks:

Music at Noon

■ Tuesday, July 14: Redwing, Irish and American folk music;

■ Thursday, July 16: Triple A Blues Band;

■ Tuesday, July 21: Simple Gifts, instrumental folk;

■ Thursday, July 23: The Bavarian Stompers, German music;

■ Tuesday, July 28: Arthur Goldstein Jazz Quartet;

■ Thursday, July 30: Red Apple Juice, bluegrass, country swing;

■ Tuesday, Aug. 4: Africari;

■ Thursday, Aug. 6: Pearl and Ivory, Big Band/easy listening;

Ice Cream Diversions

■ Friday, July 17: Mick and the Mystics, contemporary jazz/Broadway;

■ Friday, July 24: Urban Fusion Jazz Band;

■ Friday, July 31: Rich Victor Quintet, contemporary pop;

■ Friday, Aug. 7: Tarnished Six, Dixieland jazz;

In addition, those who prefer exercising as an escape can join in free sessions of Dance Aerobics Diversions in the White Building from 8 to 10 p.m. on July 13, 20 and 27.

For more information about these activities, call (814) 863-4174.



BYRCE JORDAN CENTER

Lynyrd Skynyrd at the Jordan Center

Lynyrd Skynyrd will bring its classic southern rock to Penn State's Bryce Jordan Center at 7 p.m. Thursday, July 23. Tickets can be purchased at The Bryce Jordan Ticket Center and Eisenhower Auditorium on the University Park campus and selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, or by calling (814) 865-5555 or toll-free at 1-800-863-3336. Tickets are \$34.50 and \$25 for reserved seats.

Discovered in the early '70s, Lynyrd Skynyrd is best known for hits like "Gimme Three Steps," "Saturday Night Special," "Sweet Home Alabama," "What's Your Name" and their trademark song "Freebird," among many others.

Orchestra to play

The world's most-recorded orchestra, The Nelson Riddle Orchestra, will appear at The Bryce Jordan Center on the University Park campus at 7 p.m. Friday, July 24.

The Nelson Riddle Orchestra is directed by Christopher Riddle, the son of Nelson Riddle. Nelson Riddle achieved success and notoriety during the '50s as arranger and conductor for Judy Garland, Ella Fitzgerald, Rosemary Clooney, Dinah Shore, Dean Martin, Bing Crosby and many others. He became a top arranger in Hollywood through his collaborations with Frank Sinatra.

In the 1980s, he arranged and conducted three Grammy-winning albums for Linda Ronstadt. With the decline of his father's health in the '80s, Christopher Riddle became involved with all aspects of the orchestra.

Tickets are \$19.50 for reserved seating. Special limited table seating is also available. There also will be dance floors accessible for everyone to enjoy.

Tickets can be purchased at the Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus ticket outlets, or by calling (814) 865-5555 locally, or toll-free at 1-800-863-3336.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Friday, July 3

■ Music at Penn's Woods, chamber music concert, 7:30 p.m., Eisenhower Auditorium.

Death of a Salesman by Arthur Miller, 8 p.m., The Playhouse. For tickets, call (814) 863-0255.

The Foreigner by Larry Shue, 8 p.m., July 3, 4, 8-11 and 14-18; 2 p.m., July 4, 11 and 18; Pavilion Theatre. For tickets, call (814) 863-0255.

Saturday, July 4

Death of a Salesman by Arthur Miller, 2 p.m. and 8 p.m., The Playhouse. For tickets, call (814) 863-0255.

Sunday, July 5

■ Music at Penn's Woods, Pu-Qi Jiang, conductor, 3 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

Tuesday, July 7

■ Gallery reception featuring "Treasures of Decelt: Archaeology and the Forger's Craft," Musical Notes by Honoré Daumier: Prints from the Collection of Egon and Belle Gartenberg; and "Tim Rollins and K.O.S.: A Paper Retrospective," 5:30 to 8 p.m., Palmer Museum of Art.

Gallery reception featuring "Crafts National 32," 6:15 to 8 p.m., Zoller Gallery.

Gallery reception featuring "Images '98," 7 to 8 p.m., HUB Galleries.

Wednesday, July 8

Central Pennsylvania Festival of the Arts, Children's Day.

■ Music at Penn's Woods, chamber music concert, 7:30 p.m., Recital Hall.

Thursday, July 9

Central Pennsylvania Festival of the Arts

■ Music at Penn's Woods, chamber music concert, 7:30 p.m., Recital Hall.

Friday, July 10

Central Pennsylvania Festival of the Arts

■ Music at Penn's Woods, chamber music concert, 7:30 p.m., Eisenhower Auditorium.

Saturday, July 11

Central Pennsylvania Festival of the Arts

■ Music at Penn's Woods, Pu-Qi Jiang, conductor, 7:30 p.m., Eisenhower Auditorium. For tickets, call (814) 863-0255.

"Anatomy of a Murder," GSA film, 9 p.m., Fisher Plaza.

Monday, July 13

Dance Aerobics "Diversions," 8 to 10 p.m., White Building Gymnasium.

Tuesday, July 14

■ Redwing, Irish and American Folk Music, noon to 1 p.m., Fisher Plaza.

Wednesday, July 15

Children of Eden by John Caird, preview, 8 p.m., The Playhouse. For tickets, call (814) 863-0255.

Thursday, July 16

Triple A Blues Band, noon to 1 p.m., Fisher Plaza.

Children of Eden by John Caird, preview, 8 p.m., The Playhouse. For tickets, call (814) 863-0255.

Friday, July 17

Mick and the Mystics, noon to 1 p.m., Fisher Plaza.

Children of Eden by John Caird, 8 p.m., The Playhouse. For tickets, call (814) 863-0255.

SEMINARS

Yona Chen on "Characterization and Function of Dissolved Organic Matter Extracted from Composts," 3 to 4 p.m., 101 Agricultural Sciences and Industries.

CONFERENCES

Sunday, July 5

Fred Waring's America, Music Building, through July 11.

Tuesday, July 7

The 1998 Penn State Food Service Leadership Institute: Lessons for a Lifetime with Samuel E. Hayes Jr., Keller and Malet buildings, through July 10.



On display

"Pur et Simple" by C.Y. Usowski of Montoursville is on display as part of *Images '98*, the fine arts exhibition of the Central Pennsylvania Festival of the Arts. The exhibit is on display through July 17 in the Hetzel Union Building formal and browsing galleries on the University Park campus.

EXHIBITS

HUB Browsing Gallery

"Central Pennsylvania Festival of the Arts Images Exhibition, Images '98," through July 17.

Kern Exhibition Area

Michelle Rivera, stoneware and earthenware vessels, through July 26.

Nittany Valley Chapter of the Embroiderers' Guild of America, through July 26.

■ Angela Chintala, Lisa Graves and Monika Lozinska-Lee display photographs, through July 26.

Palmer Museum of Art

■ "Treasures of Decelt: Archaeology and the Forger's Craft," through Aug. 16.

■ "Musical Notes by Honoré Daumier: Prints from the Collection of Egon and Belle Gartenberg," through Dec. 13.

"Tim Rollins and K.O.S.: A Paper Retrospective," July 7 through Dec. 20.

Zoller Gallery

"Crafts National 32," through July 19.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL: <http://cac.psu.edu/calendar/>

Arts

Continued from page 8

Trio of exhibits

Three exhibits are currently on display in the Kern Graduate Commons Building on the University Park campus. They include:

■ Stoneware and earthenware vessels by Michelle Rivera in the exhibition area through July 26.

Rivera is a bachelor of fine arts student majoring in ceramics. She also does work in metal. A full-time student and mother of three, she is originally from Brooklyn.

■ Recent works by members of the Nittany Valley Chapter of the Embroiderers' Guild of America, which are being shown through July 26.

Guild members use many embroidery techniques to create their pieces: counted cross-stitch, hardanger, pulled thread, goldwork, canvaswork and drawn thread. They are interested in perpetuating the classic styles and techniques, while also expanding into new areas.

■ Photographs by three bachelor of fine arts majors are being shown, also through July 26. Angela Chintala's works are Polaroid SX-70 images; Lisa Graves creates abstract color photographs; and Monika Lozinska-Lee shoots images of her native Poland. They chose to have a group exhibit because of their mutual respect for each other's work.

Chintala's photos mimic memory with its strange sense of focus; Graves' works attempt to skew the viewer's sense of scale and to distort recognizable places; Lozinska-Lee's photos capture what she calls, "a simple part of the world."

Kern is open from 7:30 a.m.-11 p.m., Monday-Friday; 10 a.m.-11 p.m., Saturday; and noon-11 p.m., Sunday. Hours are reduced during University breaks and holidays.

Community Arts Center announces fall roster of performances

The Community Arts Center, part of Penn College, is offering the following performances through November. All performances are at 7:30 p.m., unless otherwise noted:

■ Aug. 4: Joan Baez, one of the greatest folk singers of the 1960s; tickets are \$20/\$15.

■ Aug. 6: The Legends of New Orleans with Pete Fountain, The Dukes of Dixieland and Preservation Hall Jazz Band; tickets are \$27.50/\$24.50/\$20.50.

■ Aug. 19: Neal McCoy, one of the most-requested names in country music; tickets are \$23.50/\$18.50.

■ Aug. 23: The Count Basie Orchestra at 3 p.m.; tickets are \$20/\$18/\$15.

■ Sept. 24: "Spirit of the Dance," fiery, passionate Irish dancing; tickets, which go on sale Aug. 24, are \$33/\$25.50/\$20.50.

■ Oct. 4: Roger Williams, pop pianist; tickets are \$27/\$22/\$18.

■ Oct. 15: "Fiddler on the Roof," tickets, which go on sale Aug. 24, are \$33/\$25.50/\$20.50.

■ Oct. 20: Williamsport Symphony Orchestra; tickets are \$39/\$34/\$28/\$23/\$19/\$12.

■ Oct. 30: B.B. King, blues/jazz, vocal superstar; tickets, which go on sale Aug. 24, are \$45/\$35/\$27/\$22.50.

■ Nov. 18: Diamond Rio, six-man country group; tickets, which go on sale July 10, are \$23.50/\$18.50.

■ Nov. 29: "A Glen Campbell Christmas," tickets, which go on sale Aug. 24, are \$32.50/\$26/\$20.

For tickets or more information on these performances or other events planned for the year, call the arts center box office at (717) 326-2424 or 1-800-432-9382.

Field of astrostatistics is reacquainting old friends

By A'NDREA ELYSE MESSER
Public Information

Astronomers were instrumental in establishing the principles of statistics during the 17th through 19th centuries, but statistics and astronomy diverged in the early 20th century. Now, a team of researchers is bringing statistical principles back to astronomy.

"In the mid-19th century, the focus of statistics shifted to the social sciences, and that of astronomy moved to quantum mechanics, thermodynamics and electromagnetism, using such mathematical methods as differential equations," said Eric Feigelson, professor of astronomy and astrophysics. "Today, astronomers are not taught the latest statistical methods."

This has not always been the case. Newton's description of the motion of the heavens based on the gravitation laws created a need for statistics, and a variety of statistical practices were developed for astronomy.

"Because Newton made it possible to make repetitive, accurate measurements of planetary characteristics, there were more data available than the astronomers could deal with," the researchers said.

"Astronomers needed a way to reduce the data," said Jogesh Babu, professor of statistics, who is the statistical half of the team.

One attempt that worked was by a French



Jogesh Babu, professor of statistics, left, and Eric Feigelson, professor of astronomy and astrophysics, are bringing statistical principles back to astronomy.

Photo: Greg Grieco

astronomer, Adrien Legendre, who published a new method for determining the orbits of comets in 1805.

"The situation is similar today," the researchers said. "Modern observations produce gigabytes of information everyday. Over a year, terabytes of information are not unusual."

These huge amounts of data pose problems for astronomers not only because of their size, but also because the number of individual properties recorded are large, creating multivariate databases.

Modern techniques now also make it possible to record information contin-

uously. These types of databases are best handled with such statistical methods as time series analysis, sampling theory, multivariate analysis and nonlinear regressions. Applying such methods to astronomy forms the basis of the newly named field of astrostatistics.

"The first problem we tackled was a method for dealing with data we know exists but is below our ability to record," Feigelson and Babu said.

That method proved to be survival analysis, the same method used to estimate the lifetime of light bulbs and the survival rate of cancer patients. No one

wants to wait around for the last light bulb to sputter out or the last laboratory animal to die to determine their average life spans, so statisticians developed methods to compute the averages before the last subjects expire. This same method works for astronomical objects that are too faint to be detected.

"Astronomy had a need and statistics had an answer," said Babu. "There may be many other areas where statistics already has the methods and there may be areas where astronomy can provide new problems for the statisticians to solve."

Promising discovery may help prevent or manage diabetes

A common type of fat found in meats and cheeses may prevent diabetes, according to a research team from Purdue University and Penn State.

This information could lead to new drugs to help fight diabetes, or to improved dietary strategies to manage diabetes, the researchers said. A provisional patent on using this fatty acid to treat diabetes has been issued to Purdue and Penn State.

The study found that the fatty acid known to scientists as "CLA" can prevent the onset of diabetes in laboratory animals, at least in the short term.

"Our study suggests that CLA may help normalize or reduce blood glucose levels and prevent diabetes," said Martha Belury, Purdue assistant professor of foods and nutrition.

Adult-onset diabetes, also known as Type II or noninsulin-dependent diabetes, is the most common form of the disease, affecting about 15 million Americans. If left untreated, Type II diabetes can result in kidney problems, amputation of limbs, blindness, coronary heart disease or strokes.

Jack Vanden Heuvel, assistant professor of toxicology, represents Penn State on the team.

According to Belury, CLA is a polyunsaturated fat found in meats and cheeses, and in lesser amounts in milk, yogurt, poultry, eggs and cooking oil.

"It is in foods that are normally associated with saturated fats, but those foods can contain things that are good for you, too," said Belury. "The lesson here is that we still know so little about what is in foods naturally. We know that they contain certain vitamins and minerals, but there could be thousands of nutrients that we haven't even found yet."

Brain area identifications could help eliminate medication side effects

Researchers in the College of Medicine have identified a set of neurons in the brain that may contribute to some of the undesirable side effects of pain medication.

"Opioids such as morphine and morphine-like drugs still comprise the major tool for the clinical management of pain even though the drugs can have some very serious side effects," said Ralph Lydic, professor of anesthesia. "This discovery means we have specifically targeted an area in the brain and a molecule

that causes side effects from pain medication. We want to try and eliminate these side effects of pain medication by building another molecule to tag onto the opioid molecule. This way the opioid could block the pain, and this new molecule could prevent the side effects."

Lydic and his team discovered that this set of neurons may account for morphine's ability to decrease brain production of acetylcholine, a chemical known to be essential for normal rapid eye movement (REM)

sleep. Often after surgery, patients have disrupted REM sleep because of pain medication. REM sleep is the dreaming phase of sleep and is essential for feeling rested.

"We think this is a very exciting discovery. We are trying to identify specific cells in the brain where we know brain-produced chemicals have been altered because of the pain medication administered," said Lydic.

He said his team is trying to understand brain mechanisms that regulate consciousness as they try to

improve pain control and anesthesia safety.

"The discovery of anesthesia is only about 150 years old, and it is important to remember that for no anesthetic or opioid do we know exactly how these drugs work to eliminate wakefulness and block the perception of pain," he said.

Lydic worked with Steve Mortazavi, anesthesia resident; Daniel Thompson; and Helen Baghdadyan, associate professor of anesthesia and pharmacology.

New online funding locator available

A new e-mail-based, personalized notification service to help researchers locate funding sources will be available at Penn State beginning July 4 weekend.

The service, called Funding Alert, is new from the Community of Science Inc., (COS) which posts profiles of researchers from member institutions on its World Wide Web site. The site is a resource for research-driven companies and others to identify prospective collaborators.

Stephen L. McGregor, associate director in Penn State's Industrial Research Office, said access to the new Funding Alert service is available at no charge to every Penn State researcher at any campus location.

The new Funding Alert service will automatically e-mail information on funding sources of specific interest to researchers in COS's profile database. Each Penn State faculty or staff member with a COS expertise profile on record will be given a password to a personalized Web account where they can create and modify customized COS Funding Alert queries. The queries will be matched via keywords with the COS Funding Opportunities database, the largest repository of private, commercial and government funding information on the Web.

More than 2,000 Penn State researchers currently have COS expertise profiles on record and are eligible to begin using Funding Alert. To add your expertise profile to COS and become eligible for the Funding Alert service, see the add feature at <http://Expertise.COS.COM/>.

For more information about COS, see its home page at <http://www.cos.org/> or call McGregor at (814) 865-2879.

University ROTC rates high with Army

Penn State Army ROTC is in the top 5 percent of all Army ROTC programs. It is ranked ninth out of 270 programs in the nation based on the overall quality and quantity of the commissioned officers it produces, according to the Department of the Army annual program review this spring.

The Penn State Nittany Lion Battalion includes the ROTC programs at University Park, Altoona, Berks, Hazleton and Abington campuses. Total enrollment is approximately 300 cadets with more than 100 of them holding ROTC scholarships.

Since 1994, Penn State has commissioned an average of 35 second lieutenants a year and will again commission 35 in fiscal year 1998. It is the most productive Army ROTC program in the Big 10. Now in its 81st year, Penn State Army ROTC has commissioned more than 5,000 second lieutenants for the active and reserve components of the U.S. Army.

Ag Progress Days College of Agricultural Sciences big summer event set for Aug. 18-20

Penn State's Ag Progress Days are approaching and this year will again feature a host of exhibits.

Set for Aug. 18-20, the annual event held at the Russell E. Larson Agricultural Research Center at Rock Springs, just nine miles southwest of State College on Route 45, will include demonstrations and new activities and more than 300 commercial and noncommercial exhibitors.

Visitors will be able to see firsthand how farmers, environmental professionals and local government agencies are using satellite data and on-board computers in tractors to plant more efficiently and optimize fertilizer and pesticide applications.

Other new attractions at this year's event include an animal agriculture facility that will house expanded animal and livestock exhibits. A variety of family and consumer-oriented attractions are planned, including family living exhibits and demonstrations, cut flower beds and exhibits, storytelling, horse exhibitions, an insect zoo, live animal displays, lawn and garden advice, antique exhibits and SciQu, a TV-style game show.

Hours for Ag Progress Days are 9 a.m. to 5 p.m. Tuesday and Thursday, with extended hours of 9 a.m. to 8 p.m. on Wednesday. Admission and parking are free. For more information, visit the Ag Progress Days Web site at <http://apd.cas.psu.edu>.



Creature comforts

A young visitor to last year's Ag Progress Days took time to pet a rabbit that was part of the live animal exhibit. Live animals will again be part of the event that runs from Aug. 18-20.

Photo: Courtesy of the College of Agricultural Sciences

PENNSTATE INTERCOM

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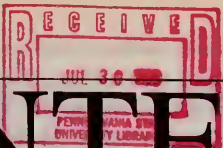
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INTERCOM

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Volume 27, Number 35

Trustees okay 1998-99 budget and tuition

\$1.5 billion fiscal plan highlights academic thrust, 3.9 percent increase over last year

The Board of Trustees have approved a 1998-99 total operating budget of just under \$1.5 billion, a budget that continues a strong focus on the University's core academic mission.

"The budget we are presenting to you today reflects a 3.9 percent increase from last year and the largest increase in the University's state appropriation in four years, an increase of 3.25 percent," said President Graham B. Spanier in a presentation to

**Trustees vote to increase tuition 3.7 percent.
For the full story, turn to page 7.**

the board. "While this state support is not at the level we had requested, the increase does give us important opportunities for the new academic year."

Among the key elements of the budget plan are funds to implement the newly approved General

Education Program and to add faculty positions to help reduce class sizes. The general education plan, adopted in December 1997, will help students develop a broad understanding of scientific, cultural and artistic endeavors and provide the skills they will need in a global economy.

"We also will fund new interdisciplinary academic program initiatives and enhance information

See "Budget" on page 5

Hungry? HUB's Union Street should satisfy



Tiling the "Street"

Keith Ray (left) and Dennis Chiodor from Colucci Tile and Marble in Pittsburgh place new tiles in one of the many cooking areas of the HUB's Union Street on the University Park campus. Some of the eateries are scheduled to open by late August.

Photo: Greg Grieco

By VICKI FONG
Public Information

Goodbye to HUB Eateries; Hello, Union Street!

In late August, Housing and Food Services is scheduled to open the first phase of Union Street, the redesigned food areas in the HUB/Robeson Center, which itself

is undergoing expansion and renovation.

"The new HUB/Robeson Center will provide a major indoor walkway with a four-story atrium connecting the new and existing sections, creating a marketplace atmosphere," said David Gingham, assistant director of food services for the Union Street food operations. "On the ground floor, most of

the Union Street food services will be at both east and west sides. We selected the name Union Street for an upbeat, contemporary marketplace feeling, as well as to illustrate the new design that emphasizes the wide variety of food offerings and faster, more convenient service."

On the east side ground-floor, the first phase of Union Street

See "Food" on page 13

Alcohol fuels weekend disorder in State College

Too much alcohol served to too many people led to an early morning disturbance on July 12 involving more than 1,500 people on East Beaver Avenue in downtown State College.

The incident resulted in at least \$150,000 in property damage and injuries to 14 police officers.

The damage included three storefronts, 33 street lights, parking meters, street signs and several cars. Seven police departments worked to break up the disturbance.

UNIVERSITY CONDEMNS INCIDENT

Words of comfort, concern and thanks from Penn State President Graham B. Spanier about the July 12 incident can be found on page 3.

Local firefighters had to bring under control a fire in the street started by the crowd.

Twenty people were arrested on charges of disorderly conduct, failing to disperse upon official order, or resisting arrest. Of the 20 arrested, 11 are Penn State students. Some additional arrests may be made.

The disturbance lasted from 1:30 until 4 a.m., on East Beaver Avenue between Locust Lane and Carver Street, about two blocks from the University Park campus. Area police and municipal agencies were called to clean up and open the streets by 8 a.m., so that Central Pennsylvania Festival of the Arts activities could continue as scheduled.

GLAD you asked

To submit a question for this column, please send e-mail to ASK@PSU.EDU. Submissions must include the name and telephone number of the person submitting the query so that Intercom can verify the source. For publication purposes, Intercom will use the initials of the individual sending the question and their campus location or department, depending on the nature of the question. Requests for anonymity will be honored.

Q. Why do staff employees have to wait 72 hours to have a prescription filled?

Just yesterday I went to Ritenour to have a new prescription filled for migraines. I have used this same prescription for years and have gotten it filled through the Maintenance Prescription Drug Plan (MPDP). Recently I started to feel the symptoms of a migraine and realized my current prescription was depleted. Anyone who suffers from this disease knows that the sooner you attend to the warning signs the quicker you are able to ward off a full-blown migraine. I was told at Ritenour that I would not be able to pick up this prescription for 72 hours. Consequently, I had to go to Wal-Mart and pay \$3.90 for 15 pills when I can get 30 pills for \$2 through MPDP.

Just about an hour after I got back to the office, my daughter called from the Altoona campus to say she just called in a prescription and could I pick it up for her — it would be ready within the hour! Why the difference in timeframe?

— My head is still pounding at University Park

A: While the operation of the Maintenance Prescription Drug Plan (MPDP) is an important function of the University Health Services Pharmacy, our primary mission is to provide medications for Penn State students. While every effort is made to provide MPDP prescriptions in a timely manner, student prescriptions receive priority.

The goal of the MPDP program is to provide a 48-hour turnaround time for maintenance medications that will be picked up. However, individuals receiving their prescriptions by mail should allow for a longer turnaround time, usually seven to 10 days. The number of prescriptions, staffing levels, and the inventory of a particular prescription drug also may affect the turnaround time.

Participants in the MPDP program are urged to plan ahead for their needs. We suggest that you reorder when you have a 14-day supply on hand. We realize that situations arise where a maintenance prescription must be filled immediately and the University Health Services Pharmacy staff will work to accommodate those needs.

—Robert Ray
chief pharmacist

Tour De 'Toona to cause changes in traffic patterns at University Park



Familiar sign?

Road closed signs could crop up in various places July 29 as a result of Tour De 'Toona, a cycling event that is expected to attract between 800 to 1,000 bicyclists to the region. Motorists should seek alternate routes. Delays are possible throughout the day.

Photo: Greg Grieco

The Tour De 'Toona, a six-day, 600-mile bicycle race billed as "America's premier cycling event," will spin through the University Park campus and the surrounding area on Wednesday, July 29. It will draw up to 1,000 cyclists and bring a potential economic impact of hundreds of thousands of dollars to the area.

It will also affect traffic and parking on campus and along the rest of the race route, which will go through downtown State College and parts of Ferguson and Patton townships. Following is a brief summary of the race's impact on traffic and parking:

Off campus

— College Avenue. Between 5:30 a.m. and 7 p.m., College Avenue will be closed between Pugh Street and Burrows Road. Between 8:30 a.m. and 7 p.m., it will be closed from Garner Street to Burrows. "No parking" signs are expected to go up the evening of July 28. CATA buses will be detoured around the closed section of the street.

— Henderson Building South. The parking lot south of the Health and Human Development Building East (Brown H) will be closed. On race day, parents with children at the daycare facilities in Henderson Building South should use the parking area between H&HD East and Henderson South — which can be accessed via the driveway off Pollock Road, between McAllister Building and the Hetzel Union Building (HUB).

— Allen Street, Calder Alley. The 100 block of South Allen Street will be closed between about 5:30 a.m. and 5 p.m.; Calder Alley will remain open, but no deliveries will be permitted.

Expect traffic delays and/or parking restrictions on sections of East Aaron Drive, Suburban Avenue, Bergman Boulevard, Vairo Boulevard, Oakwood Avenue, Waddle Road, Toftrees Avenue, Cricklewood Drive and Fox Hollow Road.

On campus

— McKean Road, which is on the race route, will be closed to traffic. Parallel parking in a section of Orange G, along McKean just north of South Halls, will not be allowed all day. Throughout the day expect traffic delays and/or parking restrictions elsewhere along the route, which includes parts of Burrows, Curtin, Bigler, Services, Porter and Hastings roads, and University Drive.

The race will begin and end at the main University gates at College Avenue and Allen Street. The men's race will start at 9 a.m. and end about 11:30 a.m. The women's race will start at 1 p.m. and end about 4:30 p.m. Race spectators should park in the Eisenhower Parking Deck off Shortledge Road on campus. A \$4-a-day visitor parking fee will be collected at the entrance to the deck.

For more details, see the July 2 issue of the Intercom, or point your Web browser to http://www.psu.edu/ur/archives/intercom_1998/July2/Tourdeetoona.html.

College of Science seeks head for physics department

The Eberly College of Science invites applications and nominations for the position of head of the Department of Physics. The position was being filled on an interim basis after Howard Groch left to act as dean of the college. Groch has since gone on to the University of Kentucky.

Candidates for the position should have a terminal degree in physics or a related subject area, a record of scholarly accomplishments appropriate for appointment at the rank of full professor, commitment to excellence in teaching and significant admin-

istrative experience (including administration of a program, personnel and budget matters). Creative leadership, effective communications skills and the ability for appropriate decision making are qualities expected of the candidate.

Applications and nominations will be reviewed beginning Aug. 15 and should be sent to Myra Bowling, Dean's Office, Eberly College of Science, 517 Thomas Building, University Park, Pa. 16802.

The University is an equal opportunity employer and does not discriminate.

A STATEMENT FROM PRESIDENT GRAHAM B. SPANIER

UNIVERSITY DEPLORES BEAVER AVENUE INCIDENT

By GRAHAM B. SPANIER

The early-morning hours of Sunday, July 12, were disturbing and frustrating for all of us who are part of this great community — area residents, University students, faculty and staff, local police, officials from State College and surrounding municipalities and visitors to the Central Pennsylvania Festival of the Arts. Together, we deplore the senseless and destructive actions of participants in the disturbance on Beaver Avenue.

We also join in commending the actions of the police and other officials who responded thoughtfully and decisively to quell the disturbance — officers from State College, University Park, Bellefonte, Patton and Ferguson and Spring townships, and state police from Bedford and Lewistown — as well as the actions of courageous Penn State students and private citizens who risked injury to prevent damage to private property.

Our gratitude also goes to volunteers from the Alpha fire and ambulance companies and representatives from Allegheny Power and the Centre Area Transportation Authority, who also gave assistance. I want all of them to know how much I personally value their actions.

I was on the scene Sunday morning to see if I could be helpful, and I was impressed by the efforts of police and private individuals to deal with the situation. State College police had never seen a disturbance of this magnitude before, and they and the other police forces they called in for assistance were restrained and professional in their efforts under extremely trying circumstances.

They had to mobilize special crowd control equipment. They had to make sure that fire equipment was on hand. They had to get the assistance of the power company to deal with the live wires from the overturned streetlight poles. They lined up emergency medical technicians to deal with the potential injuries. At one point a number of people in the crowd began to turn on the police. The police were attacked with bottles and other debris; I even saw a brick and a chair being thrown.

The property damage was excessive and inexcusable. It could have been much worse, and we can be grateful that it wasn't. Penn State understands that students enrolled at the University were among those arrested during the disturbance. Each case involving a Penn State student will be referred to our Judicial Affairs Office and fully adjudicated according to our customary policies. Let me add that a large portion of the crowd included high school students, alumni and visitors to the community who were not affiliated with the University; we must also be concerned that visitors to our community would engage in such behavior.

We understand that many people look to the University for a solution to the problem of inappropriate behavior by students, especially when the illegal or irresponsible use of alcohol is involved. As president of Penn State, I have been saying for two years that the excessive consumption of alcohol is the major problem facing American higher education today. Because Penn State faces this problem no less than other schools, I have called on the University to strengthen its programs dealing with the problem. We will continue to do so vigorously. Incidents like the one on Beaver Avenue this weekend indicate that society is a long way from solving this problem.

Although we have made important progress in addressing the incidence and consequences of binge drinking over the last two years, we still have a long way to go.

The University will be working closely with the Borough of State College, the Downtown State College Partnership, and community leaders in the coming weeks to ensure that we are doing everything possible to avoid such incidents in the future and to make sure that State College and Penn State continue to be hospitable environments for visitors and our own residents.



PRESIDENT SPANIER



Checking the crop

Robert Berhege, assistant professor of horticulture, checks a flower in the Penn State Trial Gardens on the University Park campus. Berhege and others will be at Ag Progress Days to discuss cut-flower farming as an extra source of income.

Photo: Greg Grieco

University's Ag Progress Days offers information on cut-flower farming

Farmers seeking an alternative crop or extra source of income can explore how to set up a cut-flower farming operation by visiting Ag Progress Days, sponsored by the College of Agricultural Sciences, Aug. 18-20.

Faculty from the Department of Horticulture and horticulture agents from Penn State Cooperative Extension will be on hand at a tent on E. 7th St. to answer questions and distribute literature on cut-flower operations. The event is held at the University's Russell E. Larson Agricultural Research Center at Rock Springs, near State College.

Visitors also can get a variety of fact

sheets and information on business opportunities, weed control, budgeting and crop handling.

Ag Progress Days features more than 500 acres of educational and commercial exhibits. The Russell E. Larson Agricultural Research Center is located nine miles southwest of State College on Route 45. Hours are 9 a.m. to 5 p.m. Tuesday and Thursday, with extended hours on Wednesday from 9 a.m. to 8 p.m. Admission and parking are free.

For more information, call (800) FSU-1010 through Aug. 20, or visit Ag Progress Days on the Web at <http://lapd.cas.psu.edu/>.

Promotions

Staff

Meredith L. Flory, staff assistant VI in College of Health and Human Development.
Carmen H. Frost, staff assistant VII in University Office of International Programs, Office of the Executive Vice President and Provost.
Carol L. Gardner, administrative assistant II in Office of the Executive Vice President and Provost.
Tracy L. Gross, computer support specialist in Continuing and Distance Education.

Beth J. Hewitt, staff assistant VI at Penn State Beaver.

Anne L. Johnson, assistant director, admissions/graduate admissions at Penn State Altoona.

Kimberly A. Keller, administrative assistant I in College of the Liberal Arts.

Leigh W. Kinnell, manager, marketing at The Bryce Jordan Center.

Linda G. Klimczyk, cataloging specialist in University Libraries.

Anna Z. Letowski, cataloging specialist in University Libraries.

From the Trustees Docket

Alumni center moves one step closer to reality

With the approval from the Board of Trustees on July 10, Penn State alumni will soon have a much needed center at University House on the University Park campus.

"The addition, to be located behind and connected to University House, will give the Alumni Association space to house all its staff in a single location and space to hold activities and functions on site that are now scattered in several locations across campus," said Gary C. Schultz, senior vice president for finance and business/treasurer.

Designed by Penn State's first president, Evan Pugh, University House is the oldest building on campus and was home to 11 of the University's 14 presidents from 1864 to 1970. Located in central campus near the Allen Street Mall, selection of the site reflects the Alumni Association's goals to be an integral part of the campus community and to increase student and alumni interactions.

To build the addition, the garage and guesthouse will be demolished and the parking lot will be reconfigured with a turn-around at the addition entrance on the north side. Walkways and a brick garden wall to screen the service yard will be built, and a formal garden will step down to the existing lawn, which is a favorite spot for students and visitors.

The first floor will be the public activities center for the association with meeting rooms, a catering kitchen and a Great Room, which will serve as a gathering space for visiting alumni and as the association's council chamber.



A glimpse of the future

This artist's rendition shows the new Alumni Center, connected to the existing University House. The project is one of several approved by the Board of Trustees.

Photo: Greg Grieb

cil chamber. The second floor will contain Alumni Association staff offices and a connector bridge to the second floor of the University House where additional offices are located.

Designed by Purdy O'Gwyn Architects of Philadelphia, the addition will be constructed of brick and limestone with a slate roof. The addition will be compatible with surrounding buildings and will preserve and enhance the historical character of University House. The total project, including site improvements and renovations to University House, is budgeted for \$9.5 million.

In other actions, the board approved final plans and gave approval to obtain bids and award

contracts for additions to the Lares Building at Penn State Abington, which will improve and expand current student center facilities. Food service, dining and bookstore facilities will be expanded and accessibility for the physically challenged also will be provided. The design unifies the exteriors of the original Lares Building and the 1996 addition by using materials and forms common to both. The total project budget including renovations is around \$5.7 million. Architect for the project is Highland Associates, Ltd., of Clarks Summit.

The board also approved final plans and gave approval to obtain bids and award contracts for the construction of a four-bay general aviation

hangar at the University Park Airport. The hangar is part of the airport master plan to replace the University's existing hangar. Penn State will occupy two of the bays, one for maintenance, the other for plane storage. The other two bays will be leased to non-University organizations.

The project, which includes an apron extension, will cost \$1.12 million and is designed by Hoffman Popovich Architects and Associates of Boalsburg.

In addition, the board named the Noll Laboratory adding the Elmore Clinical Research Wing in honor of a generous donation by Robert Elmore.

University enters second year of five-year strategic plan

By ALAN JANESCH
Public Information

Now in the second year of its five-year strategic plan, Penn State is focusing on the development of assessment measures that will demonstrate the University's progress in meeting its academic goals.

"The University-wide strategic plan is an evolving plan," John Brighton, executive vice president and provost, told the Board of Trustees July 9. "What we are now developing is a set of University-wide strategic performance measures that relate directly to each of the plan's six overarching goals. That is, we are developing a self-critical, highly quantitative approach to answering the question, 'How are we doing?'"

The six goals are:

- Enhance academic excellence through greater support of high-quality teaching, scholarship and research.
- Enrich the educational experience of all Penn State students.
- Build a more considerate and civil community.

- Serve the people of the Commonwealth.
- Develop new sources of income.
- Reduce costs through improved efficiencies.

This year, Brighton said, the University is developing University-wide measures as well as measures for its academic colleges, campuses and major support units. All the measures will be monitored yearly and linked to the University's ongoing quality improvement efforts.

Brighton outlined examples of strategic performance measures now under consideration in three areas: University-wide, in the College of Engineering and in the College of the Liberal Arts.

Some of the University-wide measures focus on student/faculty ratios; the amount of institutionally funded undergraduate student aid; and student access to information technology.

In the College of Engineering, proposed measures for assessing progress toward Goal 4—serving the people of the Commonwealth—focus on the number of engineering and engineering technology programs at Commonwealth campuses and colleges, the number of engineering co-op assignments in Pennsylvania (through which engineering under-

graduates take time off from their in-class studies to work at private firms), and the number of Penn State engineering graduates working in the state.

In the College of the Liberal Arts, proposed measures for assessing progress toward Goal 1—enhancing academic excellence—focus on the amount of external grants in support of research, the success of liberal arts majors in entering graduate or professional schools and the citation rate for faculty publications.

For University-wide strategic performance indicators, Brighton said, the University plans to have tracking data available by the end of this year and "to track our performance on these measures on an annual basis."

Related to the University's strategic plan are critical initiatives that "cross college and departmental boundaries, reflect Penn State's academic strengths and focus on high-priority needs of the Commonwealth and society in general," Brighton said. The five critical initiatives are in the areas of children, youth and families; information sciences and technology; environmental studies; life sciences; and materials science.

From the Trustees Docket

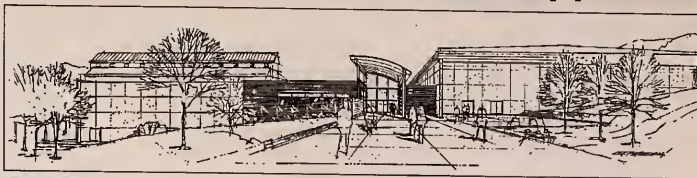
Erie master plan, athletic building gain approval

The Board of Trustees approved a campus master plan that will guide Penn State Erie into the first decade of the 21st century and the preliminary design of an athletic complex that is part of that plan.

Located southeast of Erie along Interstate 90 on 728 acres, the site is characterized by heavily wooded areas, deep gorges and heavy winter snows that have a major impact on how the campus functions. About 3,200 students are currently enrolled at Erie in associate, baccalaureate and graduate degree programs.

"The goals of the plan are to preserve the natural beauty of the campus, create a visually pleasing and inspiring place, establish a land use strategy that will allow the campus to develop gracefully, establish design guidelines and develop a basis for land acquisition strategy that will facilitate the orderly development of the campus," said William J. Anderson, assistant vice president for physical plant, in a presentation to the board.

To develop the plan, the campus was divided into four functional districts: the relatively flat area that contains the outdoor athletic fields, the lower part of the main campus slope



New facility

This artist's rendering shows the design for a new multi-purpose facility proposed for Penn State Erie. The Board of Trustees approved sketch/preliminary plans for the building.

that contains the academic, administrative and student services facilities, the student housing facilities just uphill from the academic core and the area from Jordan Run gorge to Interstate 90 that contains the research and development area known as Knowledge Park.

According to the plan, proposed new buildings will be sited to protect pedestrians from the weather and minimize the need for exterior stairs and ramps. Other buildings will help create smaller scale exterior spaces and will also help with vertical circulation.

"A new road will connect Jordan Road with the proposed East Side

Access Highway. This new highway is planned to replace Station Road as the main vehicular access to the campus and will provide a convenient link with the city of Erie. Station Road will then become part of a local campus loop," said Anderson.

The board also approved sketch-preliminary plans for a multi-purpose facility designed by Celli-Flynn and Associates of Pittsburgh in accordance with the new campus master plan. The building complex will be located east of Jordan Road with a walkway connection to the main core of campus.

The lower level will contain an

eight-lane NCAA regulation swimming pool, locker rooms and team rooms. The upper level will contain the main entrances, a strength and weight training room, a general exercise and aerobics room, offices and support space and a large gymnasium with three intramural basketball courts, a running track and a competition court with spectator bleachers.

The building will be clad in pre-cast concrete with a limestone finish and brick masonry and has an estimated construction cost of \$9 million. Construction is expected to begin in March 1999 and be completed in 2000.

Budget

continued from page 1

technology, with a special focus on student access," Spanier said.

The budget also includes expanded and enhanced student activities and continues internal budget reductions and reallocations to help fund these needs.

The total operating budget holds the basic tuition rate increase to 3.7 percent for the second consecutive year and incorporates the second year of the phased differential tuition plan adopted last year (see story on page 7).

Before going into detail on the budget, Spanier summarized the \$299.1 million state appropriation for 1998-99, which is about 20 percent of Penn State's nearly \$1.5 billion total operating budget.

The overall appropriations increase of \$9.4 million includes an increase of \$7.2 million for the educational and general line item budget, and increases of \$1.4 million for Agricultural Research and Cooperative Extension; \$361,000 for the College of Medicine; and \$436,000 for the Pennsylvania College of Technology.

Turning to Penn State's total operating budget, Spanier outlined changes in income and expenses in the various components of the budget, the largest of which is the general funds budget, which is set at a little more than \$957 million or nearly 64 percent

of the total. It supports most of the University's basic teaching, research and public service programs; Agricultural Research and Cooperative Extension; The College of Medicine at The Milton S. Eisenhower Medical Center; The Pennsylvania College of Technology; and The Dickinson School of Law.

Excluding the College of Medicine and The Dickinson School of Law, income supporting the general funds budget comes from tuition (59 percent), state appropriations (34 percent) and other, such as income on investments, recovery of indirect costs and departmental services (7 percent). The Dickinson School of Law receives no state appropriation funds and the College of Medicine receives only a small percentage of its funds from the appropriation.

Cost increases of about \$37 million in the educational and general operating budget include employee benefits (\$3.1 million); salary adjustments and related benefits (\$15.6 million); program adjustments (\$15.2 million); student activities (\$985,000); and grants in aid related to tuition rate increases (\$884,000), and other operating costs (\$1.3 million).

The other operating costs include maintenance and operation of new and newly remodeled facilities, which will substantially grow next year as

several large projects such as the Paterno Library and HUB additions and other construction projects come on line.

On salary adjustments, Spanier said that "The competitiveness of Penn State's faculty salaries is of special concern. Salary increases in the plan will keep Penn State from slipping in comparison to peer institutions, but they will not move us ahead of our competition."

The plan, which calls for an increase of about \$13.7 million for salary increases, is based on a 2 percent increase for all employees whose performance has exceeded expectations, and another 1 percent of the total salary base for additional merit, market, equity and compression considerations.

Executive Vice President and Provost John A. Brighton outlined the program adjustments portion of the budget, allocated this year at \$15.2 million. Based on the University Planning Council's review of strategic planning updates and requests for resources, 66 percent of the allocation will go to colleges and campuses with priority for faculty positions; 24 percent to libraries and information technology and 10 percent to other support units.

Penn State's current student/faculty ratio is 18.5 to 1, compared to 16.5 to 1 at Temple and 15.0 to 1 at Pitt. Brighton estimates it would take more than 500 additional faculty positions

to bring the student/faculty ratio in line with Pitt's and Temple's.

"Through internal budget reallocations and new funding for academic programs the University plans to add approximately 105 new faculty positions in 1998-99," he said. "This is in addition to the 100 new faculty positions in the 1997-98 budget."

Colleges and campuses will receive \$9.6 million—\$2.5 million for general education and new faculty positions; \$1 million for the Life Sciences Consortium; \$1 million for academic program initiatives, including information sciences and technology, children, youth and families, materials science and environmental studies; and \$5.1 million for other faculty positions and high-priority academic needs.

The libraries and information technology allocation of \$3.7 million will address student needs in computing and information technology, library acquisitions and the operation of technology classrooms.

Other program adjustments include an additional \$1 million for major maintenance to address the estimated \$180 million backlog of major maintenance projects. Penn State currently budgets \$8.4 million for major maintenance, a 27 percent increase in this area over the past three years.

"In summary," Spanier said, "this budget continues the path of progress we have established for Penn State."

From the Trustees Docket

Gifts to University top \$123 million in 1997-98

By ALAN JANESCH
Public Information

Pivate giving to Penn State for the year ending June 30, 1998, totaled \$123.4 million — the first time in the University's history that philanthropy has exceeded the \$100 million mark— Vice President for Development and Alumni Relations Rodney P. Kirsch reported to the Board of Trustees on July 9.

Kirsch said that giving increased 30 percent from 1996-97, when \$94.9 million was received, and was almost double what Penn State received only six years ago. The increase in gift income is the largest one-year increase since 1984 and the largest dollar increase ever. Dollar totals represent only gifts actually received and do not include pledges.

The number of donors totaled 114,764, an increase of more than 6,000 from the previous year. Alumni donors alone totaled 70,101.

"A great deal of excitement and energy surrounds philanthropy at Penn State right now," Kirsch said. "Beginning with Ed Hintz, who is enthusiastically chairing our forthcoming capital campaign, to President Spanier, who has devoted enormous time to this effort, there is marvelous

"Private support is making a profound impact on the quality of Penn State and we are deeply grateful for the continued generosity of our alumni and friends, and their confidence in Penn State."

Rodney P. Kirsch
vice president for development
and alumni relations

volunteer and University leadership involved with fund-raising across the entire institution. Private support is making a profound impact on the quality of Penn State and we are deeply grateful for the continued generosity of our alumni and friends, and their confidence in Penn State."

Kirsch also attributed the increase in giving to several other factors.

"We are fortunate also that both Pennsylvania and the nation are benefiting from a strong econo-

my," he said. "Additionally, in advance of the University publicly launching a capital campaign in 1999, many of our long-time donors, as well as some new friends, are making exceedingly generous commitments, several that are historic in nature."

Donors have the option of designating their gifts for specific purposes in academic and other units, and at Penn State campuses of their choice. Scholarships, library acquisitions, laboratory equipment purchases, and innovations in faculty teaching and research are typically among the areas receiving the greatest boost from private giving. These are generally areas in which state and federal support is unavailable or inadequate to the University's needs.

Kirsch also said highlights from the past year in philanthropy, including endowment of the Schreyer Honors College with a gift of \$30 million from Penn State alumnus former Board of Trustees Chair William A. Schreyer and his wife, Joan, and \$20 million from a donor who wishes to remain anonymous to support the School of Business at Penn State Erie, the Behrend College. Only parts of these gift were counted in last year's totals, since they are multi-year commitments.

Changes approved for undergraduate, graduate programs

The Board of Trustees agreed to the following program changes at their recent meeting on Friday, July 10. For more information on the changes and more in-depth reasons for the changes, see the Web at: <http://www.psu.edu/ur/INTERCOM/programs.html>.

Undergraduate Programs

— College of Agricultural Sciences: Changes in names and drop of options in dairy and animal science major

A name change from major in dairy and animal science to major in animal sciences; drop of the animal production-management option; drop of the dairy production-management option; change in name from business option to business-management option; change in name from minor in dairy and animal science to minor in animal sciences.

The name changes of the major and minor reflect the merger of two programs, dairy and animal science and poultry technology and management. The name change of the business option to business-management option is designed to include two former options in animal production — management and dairy production and management.

— The Smeal College of Business Administration: Change in name of two majors from operations management and international business to operations and information systems management and international business; and from operations management to operations and information systems management

These name changes reflect the major focuses on production and operations planning in the modern business corporation; the study of information systems is interwoven into the operations and information systems management program.

— College of the Liberal Arts: Drop public service major due to lack of interest.

— Penn State Erie: New major and minor in computer engineering

Graduate Programs

— College of Arts and Architecture: New program to offer integrated undergraduate-graduate bachelor of landscape architecture/master of landscape architecture degree program in landscape architecture

Program designed for students who currently hold a baccalaureate not related to landscape architecture and wish to receive an accredited professional undergraduate degree along with a post-professional graduate degree.

— College of Arts and Architecture: Change in music education program from the master of education degree program to the master of music education degree program

— College of Arts and Architecture: New option in landscape architecture

An option in watershed stewardship has been added.

— College of Communications: Drop master of arts degree programs in advertising; film and video; and journalism.

The college is currently in the process of evaluating and revising its graduate programs and will eventually propose programs that better reflect the expertise of the faculty and the college's objectives.

— College of Engineering: New option to graduate program in chemical engineering (Ph.D. only)

With a new option in biomolecular transport dynamics graduate students will achieve a concentration in biological and biomedical engineering; will have the opportunity to participate in an internship experience; and will have dual masters.

— Penn State Harrisburg: Changes in the master of science program in information systems

Two revisions include changing of the currency requirement and modifying the programming prerequisite.

— College of Health and Human Development: New option in the intercollegiate graduate degree program in nutrition

An option in nutrition sciences has been added to promote excellence in graduate education in nutrition by capitalizing on the expertise already existing in the biological, biomedical, behavioral and social sciences at Penn State.

— College of Medicine, The Hershey Medical Center: New options added to graduate program in cell and molecular biology

An option in molecular medicine will provide students opportunities which may enhance their future research, academic and employment prospects.

— Eberly College of Science: New options added to graduate program in biology

New options in cell and developmental biology; ecological and molecular plant physiology; and neuroscience will replace standard classroom introduction to graduate training with more active, multidisciplinary and experiential group learning.

Tuition increase held at 3.7 percent; same as last year

For most in-state lower division students, the increase ranges from \$100 to \$104 per semester

Penn State tuition increase this fall will remain the lowest in the decade for most students.

"We will hold the basic tuition rate increase at 3.7 percent for the second consecutive year," said President Graham B. Spanier.

At its meeting at Penn State Erie on July 10, the University's Board of Trustees approved 1998-99 tuition rates at all campuses for lower- and upper-division undergraduate students, graduate students, and for resident and non-resident students.

"For most in-state lower division students, the increase ranges from \$100 to \$104 per semester," Spanier said.

Some students, however, will see a slightly higher increase due to the second year of the phased differential tuition plan, which reflects the higher costs of upper-division programs. Upper division students and graduate students pay somewhat more than lower division students at all Penn State locations.

Pennsylvania undergrad-

uate students will pay the following rates:

■ **Associate and Lower Division**—\$2,920 per semester for University Park, Erie, Harrisburg, Great Valley and Hershey; \$2,856 per semester for Altoona, Abington and Berks; and \$2,827 for Lehigh Valley, Schuylkill and Commonwealth College.

■ **Upper Division**—\$3,022 per semester for University Park, Erie, Harrisburg, Great Valley and Hershey; \$2,958 per semester for Altoona, Abington, Berks, Lehigh Valley and Schuylkill; and \$2,911 for Commonwealth College.

Out-of-state undergraduate students will pay the following rates:

■ **Associate and Lower Division**—\$6,328 per semester for University Park, Great Valley and Hershey; \$5,887 per semester for Erie and Harrisburg; \$4,453 per semester for Altoona, Abington and Berks; and \$4,396 for Lehigh Valley, Schuylkill and Commonwealth College.

■ **Upper Division**—\$6,431 per semester for University Park, Great Valley and Hershey; \$5,987 for Erie and Harrisburg; \$4,555 per semester for Altoona, Abington, Berks, Lehigh Valley and Schuylkill; and \$4,479 for Commonwealth College.

Most Pennsylvania graduate students will pay \$3,267 per semester, except for those in the University Park MBA program who will pay slightly more. Out-of-state graduate tuition will comprise the following: \$6,730 per semester for University Park and Hershey; \$6,258 per semester for Erie and Harrisburg; \$4,658 per semester for Altoona, Abington, Berks, Lehigh Valley and Schuylkill; \$4,583 per semester for Commonwealth College.

The information technology fee for full-time undergraduate and graduate students at all locations will be \$90 per semester, an increase of \$15.

The increase in the student activities fee for full-time undergraduate and graduate students will vary from \$1 to \$11, according to campus, and is based on recommendations from student committees.

"The funds from the activity fees have succeeded in improving the learning environment at all campuses, which is greatly enriched by out-of-class experiences such as lectures, music and cultural programs, and clubs and organizations," Spanier said. "With an increase in student participation, student leaders at the campuses have identified the need for additional funds for further enhancements to programming."

TUITION Effective 1998 Fall Semester Pennsylvania residents

FULL-TIME PER SEMESTER (12 or more credits/semester)

Location	1997-98	1998-99	Increase
Associate and lower division			
Univ. Park, Erie, Harrisburg, Great Valley & Hershey	\$2,816	\$2,920	\$104
Altoona, Abington, Berks	\$2,741	\$2,856	\$115
Lehigh Valley, Schuylkill & Commonwealth College	\$2,727	\$2,827	\$100
Upper division*			
Univ. Park, Erie, Great Valley, Harrisburg and Hershey	\$2,866	\$3,022	\$156
Altoona, Abington, Berks, Lehigh Valley & Schuylkill	\$2,791	\$2,958	\$167
Commonwealth College	\$2,768	\$2,911	\$143
Graduate—All locations	\$3,151	\$3,267	\$116
<i>Except programs listed below</i>			
Univ. Park—MBA	\$3,318	\$3,608	\$290
Graduate Assistantships, Fellowships and Traineeships	\$2,520	\$2,615	\$95

* Upper division tuition rates will apply to undergraduates with a minimum of 60 credits, regardless of how earned.

Board grants honorary doctorate to Harvard professor

The Board of Trustees on July 10 approved granting an honorary doctor of humane letters degree to Howard Gardner, professor of education and adjunct professor of psychology at Harvard University and adjunct professor of neurology at the Boston University School of Medicine.

Gardner is best known in educational circles for his theory of multiple intelligences—a critique of the notion that there is only a single human intelligence that can be assessed by standardized tests. All of Gardner's post-secondary education was at Harvard University, where he was trained as a developmental psychologist and later as a neuropsychologist.

The honorary degree will be granted at Penn State's Aug. 8 commencement ceremony in The Bryce Jordan Center on the University Park campus. Gardner will deliver an address Aug. 8 to some 2,400 students graduating with associate, bachelor's, master's and doctoral degrees.

A native of Scranton, since 1972 Gardner has

been co-director of Project Zero, at Harvard's Graduate School of Education. During the past decade, Gardner and his colleagues at Project Zero have been working on the design of performance-based assessments, education for understanding and the use of multiple intelligences to achieve more personalized curriculum, instruction and assessment.

Gardner believes that intelligence is not limited to the traditional realms of logical reasoning and the ability to manipulate words and numbers. Gardner counts eight distinct forms of intelligence that are genetically determined but can be improved through practice and learning: In addition to the traditional logical and linguistic, he said, there are bodily kinesthetic (physical), musical, spatial (visual), interpersonal (the ability to understand oneself), intrapersonal (the ability to understand oneself) and naturalist (the ability to recognize fine distinctions and patterns in the natural world).

Most recently, Gardner has been carrying out intensive case studies of exemplary leaders and cre-

ators and investigating the relationship between cutting-edge work in different areas and a sense of social responsibility.

Since the mid-1980s, Gardner has been heavily involved in school reform efforts in the United States.

Gardner is the recipient of many honors, including a MacArthur Prize Fellowship in 1981, and the author of 15 books and several hundred journal articles.

Gardner received his A.B. degree in 1965 from Harvard College. After a year at the London School of Economics, he returned to Harvard and received his Ph.D. in developmental psychology in 1971.

As a postdoctoral fellow at the Harvard Medical School and the Boston University Aphasia Research Center, Gardner began a long series of studies investigating cognitive problems in people suffering brain damage. His interests in human potential and its development brought him to the field of learning and education.

PROMOTIONS

→ Effective July 1, 1998

ACADEMIC RANK

Following are University-wide faculty promotions, effective July 1.

TO PROFESSOR

Alan M. Adelman, family and community medicine, The Hershey Medical Center
Steven F. Arnold, statistics
Helen A. Baghdoyan, anesthesia, The Hershey Medical Center
Russell R. Barton, industrial engineering
Ashok D. Belegundu, mechanical engineering
Ingrid M. Blood, communication disorders
Robert P. Brooks, wildlife ecology
James H. Burness, chemistry, Penn State York
Gregory M. Caputo, medicine, The Hershey Medical Center
Gary L. Collision, English, Penn State York
Daniel W. Conway, philosophy
Refik Culpán, management and international business, Penn State Harrisburg
Renee D. Diehl, physics
John L. Fizek, economics, Penn State Erie
Mary M. Gergen, psychology and women's studies, Penn State Delaware County
Alireza Haghighat, nuclear engineering
William E. Higgins, electrical engineering
Ali R. Hurson, computer science and engineering
Paul A. Kettl, psychiatry, The Hershey Medical Center
Orsay Kucukemiroglu, business administration, Penn State York
John S. Lamancusa, mechanical engineering
Nancy S. Landale, sociology
Mark L. Latash, kinesiology
Dennis K. Lin, management science
Lyle N. Long, aerospace engineering
Jerry C. Luck Jr., medicine, The Hershey Medical Center
John E. Mathieu, psychology
Michael M. Micci, aerospace engineering
W. Martina Morris, sociology and statistics
Kathleen M. Mulder, pharmacology, The Hershey Medical Center
Benedict Y. Oh, physics
Horacio Perez-Blanco, mechanical engineering
Ljubisa R. Radovic, fuel science

Arvind Rangaswamy, marketing
Lothar H. Redlin, mathematics, Penn State Abington
Garfield B. Russell, anesthesia, The Hershey Medical Center
David Shapiro, economics and women's studies
Richard J. Simons, medicine, The Hershey Medical Center
Alan J. Stenger, business logistics
Mark A. Stoneking, anthropology
Gregory Swiatek, mathematics
James B. Thomas, management
W. Bruce Trinkle, music
Narayanamas Viswanathan, chemistry, Penn State Fayette
Thomas S. Whittam, biology
Marcus Winkler, German
Brenton M. Yarnal, geography
Savas Yavuzkurt, mechanical engineering

TO LIBRARIAN

Richard J. Fitzsimmons, information access services, Penn State Worthington Scranton

TO ASSOCIATE PROFESSOR

Susan M. Abmayr, molecular genetics
Mark D. Agee, economics, Penn State Altoona
Nasimul Ahsan, medicine, The Hershey Medical Center
Ana P. Barros, civil engineering
G. William Baxter III, physics, Penn State Erie
Annette L. Beatty, accounting
Daniel C. Beaver, history
Kathleen J. Bieschke, counseling psychology
John P. Boehmer, medicine/surgery, The Hershey Medical Center
Thomas E. Boothby, architectural engineering
Cynthia A. Brewer, geography
Dmitri Burago, mathematics
Jane C. Charlton, astronomy and astrophysics
Long-Qing Chen, ceramic science and engineering
Keith C. Cheng, pathology and biochemistry and molecular biology, The Hershey Medical Center
Della B. Conti, speech communication, Penn State McKeesport
Roselyn Costantino, Spanish and

women's studies, Penn State Altoona
Nancy E. Dana, education
Thomas M. Dana, education
Kathryn H. Dansky, health policy and administration
W. Travis DeCastro, theatre arts
Maria A. Toni DuPont-Morales, criminal justice, Penn State Harrisburg
Lynn E. Drafall, music education
Javier Escudero, Spanish
Jenni-Louise Evans, meteorology
James C. Finley, forest resources
Judith A. Fueyo, education
Michael R. Gannon, biology, Penn State Altoona
Aristoula Georgiadou, classics
Lynda R. Goldstein, English, Penn State Wilkes-Barre
Taylor A. Greer, music
Arlene E. Hall, kinesiology, Penn State New Kensington
Jeanne L. Hall, communications
John J. Hannan, computer science and engineering
Hartmut Heep, German, Penn State Schuylkill
Thomas L. Hemminger, electrical engineering, Penn State Erie
Ellen J. Hess, neuroscience and anatomy, The Hershey Medical Center
Patricia H. Hinchey, education, Penn State Worthington Scranton
Brandon B. Hunt, rehabilitation services
Mku T. Iyokumbul, mineral processing
Anatoli F. Ivanov, mathematics, Penn State Wilkes-Barre
David Johnson, engineering, Penn State Erie
Mohamed N. Kallas, engineering
K. Alita Kelley, Spanish, Penn State Delaware County
Pablo Laguna, astronomy and astrophysics
Robert K. Larson, professional accountancy, Penn State Harrisburg
Daniel L. Letwin, history
Bing Li, statistics
John H. Mahaffy, nuclear engineering
James H. Marden, biology
Howard P. Medoff, engineering, Penn State Abington
Jon W. Meistrup, radiology and obstetrics and gynecology, The Hershey Medical Center
Mary K. Mino, speech communication, Penn State DuBois
Arthur M. T. Motta, nuclear engineering
Mark H. Munn, history and classics and ancient Mediterranean studies
Paul H. Patterson, poultry science
Aaron L. Pincus, psychology
Suet-lung Pong, education
B. Franklin Pugh, biochemistry and molecular biology
Robert F. Roberts, food science
Daniel I. Robinson, theatre arts
John P. Rossi, history, Penn State Erie
Nitin Samarth, physics
Fred M. Schied, adult education
Darrell C. Schlom, materials science, and engineering

Robin G. Schulze, English
Ladislaus M. Semali, education
John M. Simpson, chemistry, Penn State Beaver
Timothy R. Smaby, finance, Penn State Erie
Edward C. Smith, aerospace engineering
Hubert C. Smith, aerospace engineering
F. Norman Spivak III, music
Susan E. Trolter-McKinstry, materials science and engineering
Mark Tulchinsky, radiology, The Hershey Medical Center
Jerrold Van Hoeg, Spanish, Penn State Fayette
Adrian J. Wanner, Slavic and comparative literature
Pingjuan L. Werner, engineering, Penn State DuBois
Lisa R. Williams, business logistics
Pamela S. Wolfe, special education
C. Chris Wu, mathematics, Penn State Beaver
Ping Xu, mathematics
Robert A. Yabber Jr., art
Hongyuan Xia, computer science and engineering

TO ASSOCIATE LIBRARIAN

Roger Brisson, information access services
Jacqueline R. Esposito, collections and reference services
Binh P. Le, information access services, Penn State Abington

INTERCOLLEGE RESEARCH

Following are Intercollege Research Programs faculty promotions, effective July 1.

ENVIRONMENTAL RESOURCES RESEARCH INSTITUTE

TO SENIOR RESEARCH ASSOCIATE
Egide Nizeyimana

APPLIED RESEARCH LABORATORY

TO SENIOR SCIENTIST
David L. Hall

TO SENIOR RESEARCH ASSOCIATE
Timothy E. McDevitt
Lora G. Weiss

TO SENIOR RESEARCH ASSISTANT
Kathleen K. Hodgdon

TO SENIOR RESEARCH ENGINEER
David R. Stinebring

ARTS & ENTERTAINMENT

AT PENN STATE



On display

Stoneware and earthen vessels created by Michelle Rivera will be on display in the Kern Exhibition Area on the University Park campus through July 26.

Photo: Greg Gricco

"Children of Eden"

"Children of Eden," a musical retelling of the story of Genesis, opens July 17 at the Playhouse Theatre on the University Park campus and continues through Aug. 1.

"Children of Eden" is a blend of

fable and biblical allegory. Author John Caird and composer Stephen Schwartz have adapted the first nine chapters of Genesis into a stirring family entertainment. In many respects, "Children of Eden" does for the Old Testament what *Godspell* (Schwartz's

first big success) did for the New Testament.

"Children of Eden" is presented by Pennsylvania Centre Stage — the professional arm of the Penn State theatre department — and will play at 8 p.m. July 17, 18, 21-25, and July 28-Aug. 1. Saturday matinees are 2 p.m. July 18, 25 and Aug. 1. Tickets are \$29 for adults; \$26 for students; and \$4.50 for children 15 and younger.

For tickets, stop by the ticket center at Eisenhower Auditorium or The Bryce Jordan Center, or call (814) 863-0255 or (800) ARTS-TIX.

Music fills the air

The final performances for the annual camp "High School Summer Music at Penn State" will take place Saturday, July 18, at University Park.

The weeklong musical camp hosted by the School of Music in the College of Arts and Architecture attracts approximately 170 high school students from throughout the state to Penn State for music classes, lessons and rehearsals. Throughout the week, students observe faculty performances and also participate in recitals.

The final performances begin Saturday at 10 a.m. in the School of Music Recital Hall with the students of the keyboard camp. The jazz band campers will perform in the Recital Hall at noon. Concert Choir is set for 1 p.m. in Eisenhower Auditorium, and the week of music will conclude with a performance by the Concert Band at 2:30 p.m. in Eisenhower Auditorium.

All camp performances are free to the public. For more information, call the School of Music office at (814) 865-0431.

"Assassins" at Beaver

Tickets for the Penn State Beaver Brodhead Cultural Center's summer musi-

cal, "Assassins," presented by the Center Theatre Players Inc., are now available.

The Stephen Sondheim musical about infamous U.S. presidential assassins and would-be assassins will be presented at 8 p.m. July 23, 24 and 25 at the center's outdoor J.P. Giusti Amphitheater. Tickets are \$8.

Tickets may be purchased by mail. Send a stamped, self-addressed envelope along with your request stating date, number of tickets needed, and day and evening telephone numbers to the Brodhead Cultural Center, Penn State Beaver, 100 University Drive, Monaca, Pa. 15061-2799.

Tickets also may be purchased from 9 a.m. to 4:30 p.m. Monday through Friday at the Penn State Beaver Office of University Relations, room 145 Administration Building; and at Brodhead Cultural Center performances 45 minutes before the show and during intermission.

For information, call the Brodhead Cultural Center office at (724) 773-3817. For a free listing of summer events, call the events hotline at (724) 773-3600.

Drama camps for kids

MetaStages, an outreach program of the School of Theatre Arts, will offer drama camps for young people at University Park. Separate sections for ages nine through 18 years will include training in acting, voice and speech, mime, movement, improvisation and production. The camps, which meet daily from 10 a.m. to 4 p.m., begin July 27 and run until Aug. 21. The camps culminate with a final performance by each group on the stage of the Pavilion Theatre.

For details about drama camps or semester programs for children in grades K-12, call Joann Leonard, director, at (814) 867-8390.

BOOK SHELF

Chuck Burchard, instructor of computer science, has had his textbook, *Using C++: An Introduction to Programming*, published by PWS Inc., a division of International Thompson. The book was co-authored with Julien Hennefeld of the Brooklyn College of the City University of New York.

Successful Project Management, a new book co-authored by Jack Gido, director of PENNTAP, the Pennsylvania Technical Assistance Program, and James Clements, chairperson of the Department of Computer and Information Sciences at Towson University, has been published by South-Western College Publishing.

The text is intended for students at the undergraduate level as well as working professionals. It provides the essential skills needed to make effective contributions and to have an immediate impact on the projects, and it supports industry's life-long learning programs which develop employees to succeed on cross-functional teams. The book includes Web-based exercises, case studies and real-world examples. Instructor materials include course outlines, a computerized test bank on disk and Power Point slides on disk.

Ram P. Kanwal, professor emeritus of mathematics, has written the second edition of the book *Generalized Func-*

tions, Theory and Technique, published by Birkhauser.

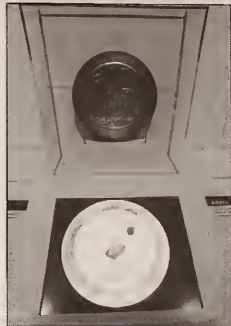
The book contains both the theory and applications of generalized functions, illustrated by a large variety of examples. There has been tremendous growth in this subject since the book's first edition, which was published in 1983, and Kanwal has added new concepts and reorganized material to improve the logical flow of ideas. Some of the book's topics include the Fourier Analysis, which is used extensively in many fields of scientific activity; partial differential equations, one of the main applications of generalized functions; and a newly-formatted chapter that explains the interplay between the theories of moments, asymptotics and singular perturbations.

Yakov B. Pesin, professor of mathematics and a member of the Penn State Center for Dynamical Systems, has written a book, *Dimension Theory in Dynamical Systems, Contemporary Views and Applications*, published by the University of Chicago Press.

The book introduces a new area of research that lies at the interface between dimension theory and the theory of dynamical systems. Pesin provides a comprehensive and systematic treatment of modern dimension theory in dynamical systems, summarizes the current research and describes the most important accomplishments of the field. He emphasizes the general concept of characteristics of dimension type and the "dimension" approach to the theory of dynamical systems.

Penny Kris-Etherton, distinguished professor of nutrition in the College of Health and Human Development, has coedited a book with Julie H. Burns titled *Cardiovascular Nutrition: Strategies and Tools for Disease Management and Prevention*. The book was published by The American Dietetic Association (1998) and will serve as a resource for physicians, dietitians, nurses and exercise physiologists providing nutritional care for patients that require prevention and treatment of coronary heart disease.

UNIVERSITY PARK CALENDAR



It's not real

The near-Eastern dish in the top portion of the above photo is actually a forgery. Below the dish is an x-ray of the piece. The two items, plus numerous other look-alikes are part of the display "Treasures of Deceit: Archaeology and the Forger's Craft" at the Palmer Museum of Art on the University Park campus. The exhibit, which was installed by Richard Hall, at right, runs through Aug. 16.

Photo: Greg Grieco



SPECIAL EVENTS

Friday, July 17
Mick and the Mystics, contemporary jazz/
Broadway, 7 to 8 p.m., Fisher Plaza.
Children of Eden by John Caird, 8 p.m., July
17-18, 21-25 and July 28-Aug. 1; 2 p.m.,
July 18, 25 and Aug. 1; The Playhouse.
For tickets, call (814) 863-0255.
The Foreigner by Larry Shue, 8 p.m., Pavilion
Theatre, through July 18. For tickets, call
(814) 863-0255.
Pennsylvania Centre Stage Theatre, The Nit-
tany Lion Inn.
Saturday, July 18
Keyboard Camp Concert, 10 a.m., Recital
Hall, Music I.
Jazz Camp Concert, noon, Recital Hall,
Music I.
Concert Choir Camp Concert, 1 p.m., Eisen-
hower Auditorium.
Concert Band Camp Concert, 2:30 p.m.,
Eisenhower Auditorium.
The Philadelphia Story, film, 9 p.m., Fisher
Plaza.
Tuesday, July 21
Simple Gifts, instrumental folk, noon to
1 p.m., Fisher Plaza.
Thursday, July 23
The Bavarian Stompers, German music,
noon to 1 p.m., Fisher Plaza.
Lynyrd Skynyrd, 7 p.m., The Bryce Jordan
Center.
Friday, July 24
Urban Fusion Jazz Band, 7 to 8 p.m., Fisher
Plaza.
The Nelson Riddle Orchestra conducted by
Christopher Riddle, 7 p.m., The Bryce
Jordan Center.
Spend a Summer Day, various locations.
Saturday, July 25
Verlino, film, 9 p.m., Fisher Plaza.
Butterfly Saturdays, July 25, Aug. 8 and Aug.
22, Headhouse III. For information, call
(814) 865-1895.

Monday, July 27
Spend a Summer Day, various locations.
Tuesday, July 28
Arthur Goldstein Jazz Quartet, noon to
1 p.m., Fisher Plaza.
Wednesday, July 29
Tour De Toona, University Park.
Thursday, July 30
Red Apple Juice, bluegrass, country swing,
noon to 1 p.m., Fisher Plaza.

SEMINARS

Wednesday, July 29
Joseph Villafranca on "Drug Discovery in the
Pharmaceutical Industry: Importance of
Collaboration with Academia," 12:45 p.m.,
112 Kern.
David L. Felton on "Sympathetic Innervation of
Lymphoid Tissue," 2 p.m., 112 Kern.

CONFERENCES

Friday, July 17
General Federation of Women 1998, The
Penn Stater.
General Federation of Women's Clubs of Pa.,
The Penn Stater, through July 18.
Saturday, July 18
Dental Seminars, The Nitany Lion Inn.
Sunday, July 19
County Chiefs Probation and Parole Confer-
ence, The Penn Stater.
Ag in the Classroom, Agricultural Science
and Industries, through July 24.
Wednesday, July 22
Corporation for National Service, The Nitany
Lion Inn.
Thursday, July 23
Dale Carnegie Training, The Penn Stater.
C-COR Fourth Annual Worldwide Sales
Meeting, The Penn Stater.
State Workers Insurance Fund Meeting,
The Nitany Lion Inn.

"Fred Waring, Eldershostel," The Nitany Lion Inn.
Corporation for National Service, The Nitany
Lion Inn.

Friday, July 24
Planning Association, The Nitany Lion Inn.
Big Ten Undergraduate Student Government,
The Nitany Lion Inn.
Sunday, July 26
Woolrich Inc., The Penn Stater.
Department of Education, The Penn Stater.
Wednesday, July 29
Pa. Vocational Administration, The Nitany
Lion Inn.
Thursday, July 30
Pa. One Call System Inc., The Nitany Lion
Inn.
17th Summer Symposium in Molecular Biolo-
gy, Kern, through July 31.

EXHIBITS

Kern Exhibition Area
Michelle Rivera, stoneware and earthenware
vessels, through July 25.
■ Photographs by Angela Chintala, Lisa
Graves and Monika Lozinska-Lee,
through July 26.
Nitany Valley Chapter of the Embroiderers'
Guild of America, through July 26.
Palmer Museum of Art
■ "Treasures of Deceit: Archaeology and the
Forger's Craft," through Aug. 16.
"Tim Rollins and K.O.S. — A Paper Retro-
spective," through Dec. 20.
■ "Musical Notes by Horacio Daumier: Prints
from the Collection of Egon and Belle
Gartenberg," through Dec. 13.
■ Reflects international perspective.

For a full listing of University Park activities,
including sporting events, go to the Web at
URL <http://cac.psu.edu/calendar/>

CQI
CONTINUOUS
QUALITY
IMPROVEMENT

New teams

Four new CQI teams were formed in Auxiliary Services to improve the communication among Housing and Food Services employees and various residence halls residents, and to develop ways to solicit customer feedback. Tom Gibson is the team sponsor for three of the new teams and Steve Weaver sponsors the fourth. The team leaders are Maurine Volz, Terriell Chandler, Douglas Sweger and Mary Tier. The teams are facilitated by Georgia Abbey, Frank Gibboney, Larry Achterberg and Linda Klimczyk.

Making a difference

The Center for Quality and Planning tracks numerous CQI efforts throughout the University. This summer, the management engineering department will again be assisting the center in documenting the outcomes of some of these efforts.

Aaron Finklestein, an industrial engineering student working for the management engineering department, will be contacting a number of CQI teams to discuss their initiatives and to assist them in measuring the outcomes. The results will be published as the fourth in a series of brochures that answer the question "What difference does CQI make?"

For more information about Continuous Quality Improvement, please contact Louise Sandmeyer, executive director of the Center for Quality and Planning, at (814) 863-8721, LES10@PSU.EDU or see the center's Web site at <http://www.psu.edu/president/cqi>.

Check the Web



Intercom is available online. New issues are posted on the Web Thursday mornings. To see this issue in its entirety, log in to <http://www.psu.edu/intercom/>. To see past issues dating back to Jan. 18, 1996, go to the same site and click on the link to the archives.

LECTURES

Altoona sets speaker lineup

A notorious villain, an Olympic hero and a cloning scientist headline Penn State Altoona's 1998-99 Distinguished Speaker Series.

■ The series makes a splash when Olympic swimmer Janet Evans talks about what makes a champion go the distance on Sept. 24 at 7:30 p.m. She didn't just claim three Olympic golds in 1988; she broke three world records. She reminded the nation of her talent four years later at the 1992 Barcelona Olympic Games when she captured her fourth gold medal. Evans hung up her swimming goggles shortly after the 1996 Atlanta Olympic Games.

■ On Oct. 24 at 8 p.m. the truth will be revealed as "Cancer Man" from The X-Files visits. William B. Davis, better known as "Cancer Man" because of his chain-smoking habits on Fox's popular television program, will provide a glimpse of the behind-the-scenes action of The X-Files as well as discuss aliens, abductions and the paranormal.

■ Attorney Jan R. Schlichtmann will reveal the truth about battling big business during his visit on Dec. 2 at 7:30 p.m. In 1986, Schlichtmann achieved national prominence for his representation of eight Woburn, Mass., families against W.R. Grace and Beatrice Foods for the contamination of the Woburn city water supply. His career and involvement in the case is

chronicled in the national bestseller *A Civil Action* and will appear in theatres across the nation in an upcoming Hollywood feature film.

■ Actors Danny Glover and Felix Justice will present "An Evening with Langston and Martin," a tribute to two of the nation's great African American leaders on Jan. 24 at 3:30 p.m. The two-man show commemorates Black History Month as well as remembers the legacy of Dr. Martin Luther King Jr. and Langston Hughes.

■ What effect Dolly, the now-famous cloned sheep, will have on the country has yet to be determined, but Ian Wilmut, the cloning pioneer who made Dolly famous, will discuss his work on this issue on Feb. 25 at 7:30 p.m.

■ The series concludes with a presentation by Blandina Cardenas-Ramirez on how to develop community and diversity in American institutions on March 27 at 7 p.m. This former member of the U.S. Civil Rights Commission and chair of the American Council on Education Office of Minorities in Higher Education will discuss how various cultures and races will socially interact and transact in the future.

The Distinguished Speaker Series is free to the public and each program will be presented in the Adler Athletic Complex.

Two talks to cover neuroimmunology, July 29-30

David L. Felton, director of the Center for Neuroimmunology at Loma Linda University School of Medicine, will present a lecture titled "Sympathetic Innervation of Lymphoid Tissue" at 2 p.m. Wednesday, July 29, in 112 Kern Graduate Building on the University Park campus. Felton is internationally recognized for his work on the effects of the sympathetic nervous system on immune function.

Esther M. Sternberg, chief of the Section on Neuroendocrine Immunology and Behavior at the National Institute of Mental Health, will present a lecture titled "Neural-Immune Interactions in Health and Disease" at 1:30 p.m. Thursday, July 30, in 112 Kern

Graduate Building. Sternberg has made significant contributions toward understanding neuroendocrine interactions.

The free lectures are part of the 17th Penn State Summer Symposium in Molecular Biology, July 29-31 on the University Park campus. This year's symposium, "Immune-Neuro-Endocrine Interaction: Cellular and Molecular Mechanisms," will focus on the cellular and molecular mechanisms that mediate communications among nervous, endocrine and immune systems.

For more information, call Nancy Johnson at (814) 863-1851 or e-mail nxjl@psu.edu.

Executives to talk about drug discovery July 29

Joseph Villafranca, vice president of macromolecular structure, and Jack DeForrest, director of external science and technology, both of the Bristol-Myers Squibb Co., will present a lecture titled "Drug Discovery in the Pharmaceutical Industry: Importance of Collaboration with Academia" at 12:45 p.m. Wednesday, July 29, in 112 Kern Graduate Building on the University Park campus.

Villafranca held the Evan Pugh

professorship of chemistry at Penn State from 1986 until 1994, when he joined Bristol-Myers Squibb. DeForrest is a graduate of the Eberly College of Science.

This free public lecture offers an opportunity to learn more about the interaction of industry and academia in the general area of drug discovery.

For more information, call Kamal Rashid at (814) 863-5487 or e-mail kxr9@psu.edu.

Course on underwater acoustics set for September

Scientists and engineers who want an introduction to, or a review of, underwater acoustic topics, including cavitation noise, sonar signal processing, sound propagation, echo location, transducers and flow-induced noise should make plans to attend the "Short Course on Underwater Acoustics and Signal Processing," at The Penn State Conference Center Hotel, Sept. 12-25, at University Park.

This limited enrollment short course is an outreach program of the Applied Research Laboratory.

For more information, call William Thompson Jr. at (814) 863-4156 or (814) 865-6951, or visit the Web at <http://www.outreach.psu.edu/C&I/UnderwaterAcoustics/>; to register, contact Carolyn Andersen, conference planner, at (814) 863-5148.



Helping future scientists

As part of its ongoing efforts to attract girls into the sciences, the University recently held a Nittany Science Camp for Girls. Among other activities, campers including Janet Alley of Mount Nittany Middle School, at right, explored lakes and streams. Above, Josie Herrera, director of Diversity Enhancement Programs in the College of Earth and Mineral Sciences, examines an airplane car made by Samantha Masters of Bellefonte Middle School.

Photos: Greg Grieco



Police search for computer thief

Penn State police are requesting assistance from the community regarding a series of burglaries and thefts on the University Park campus involving a total of more than \$23,000 in computer equipment.

In one of the cases a suspect was observed. Police are asking anyone with information about the burglaries and thefts to contact Penn State Police Services at (814) 863-1111 or Centre County CrimeStoppers at 1-877-99CRIME. Callers may remain anonymous.

The incidents have occurred since spring semester ended in May through the month of June:

— May 22-26: Sometime between those dates, someone used a prying tool to enter offices on the second and fourth floors of the Agricultural Science and Industries (ASI) Building and removed more than \$4,800 of Apple computer equipment. Only central processing units (CPUs) were taken.

— May 22-26: Sometime between those dates, someone attempted to enter offices in Chambers Building, Moore Building and the Arts Building. In the Chambers Building a prying tool was used to enter seven offices, but only a key was taken.

— June 20-21: During this weekend, an office in Ferguson Building was entered and a new \$3,500 Dell computer system was taken. It is not known how entry was made into this office.

— June 28-June 29: During the evening

of June 28 or the morning of June 29, someone entered the President's Hall at The Penn State Conference Center Hotel and removed three laptop computers with an estimated value of more than \$15,000. Two were Model 560 IBM Thinkpads and the third was a Model 770ED that has not yet been marketed. Also taken was a rim card with antenna, which provides access to satellites worldwide.

Also, during the early morning hours of June 25, someone forcibly entered an office at Ritenour Building and removed a number of items including computer smart cards and keys. In this burglary a suspect was observed within the facility.

Police also are asking sources that sell computer components and accessories to be on the lookout for anyone discussing any of the stolen equipment. Police also would be willing to discuss specific details of the components reported stolen with anyone who has recently made any private purchases of computer components.

Police suggest that employees not only look for their offices, but make sure they record the serial and model numbers of their equipment and keep them in a safe place. The University does not place a property inventory tag on items valued at less than \$5,000, so individuals or offices should document these items themselves. Serial numbers can be found on the packing papers or on the computer equipment itself.

summer to construct the third and final phase of Union Street food operations, scheduled to open fall 1999. The concepts, which will center on Asian, pizza and pasta and subs themes, have not yet been finalized.

Barney's, a new convenience store, also will be located along the main walkway and will be operated by Penn State Bookstore. The new store will replace the current convenience store within the bookstore building. Ground-floor visitors also will be able to travel other walkways and enter the new recreation center and the new Paul Robeson Cultural Center.

Construction will continue on the rest of the new HUB/Robeson Center project with a current emphasis on the new main entrance and renovations to the HUB Ballroom. During the project, the HUB, Paul Robeson Cultural Center and the Penn State Bookstore have continued operating.

The HUB/Robeson Center will include a new Paul Robeson Cultural Center connected to the expanded HUB. Students, faculty, staff and visitors will see a new front entrance, additional student organization offices, dedicated quiet study lounges, information and computer services, improved access for users with disabilities, art gallery space and an expanded ballroom as well as the redesigned food service.

The original HUB serves approximately 25,000 students, faculty, staff and visitors a day and hosts nearly 8,000 events a year; the Paul Robeson Cultural Center has nearly 600 events each year with more than 24,000 participants.

The project will be financed with funds generated by a portion of University Park student activity fees, private support, Housing and Food Services and University funds.



In a bind?

Maybe Diane Kurtz can help. She works repairing books in the bindery department at Pattee Library on the University Park campus. Kurtz fixes books that have been damaged by water, fire, mold and vandals.

Photo: Greg Grieco

■ Outreach

Rural leadership program offers help

A rural town of 12,000 people is struggling to rebuild its economy after years of decline. A high-tech industry offers to locate a plant there, with a potential for 300 jobs, but the residents don't like the idea of more truck traffic in town. They also fear that the company, which reputedly lacks community commitment, may leave after a few years.

A scenario of this kind — a hypothetical situation — can create warring camps out of residents, community officials and company representatives. Fortunately, a Penn State rural program called RULE — the Pennsylvania Rural Leadership program — can help rural populations face such situations and resolve them amicably. A two-year program, RULE helps community residents learn how to become community leaders.

"The issues that confront rural America can be staggering in their complexities and ambiguities," said Drew Hyman, professor of public policy and RULE faculty adviser and co-director. RULE, Hyman said, stresses that leadership can be taught to people from all walks of life who want to invest their talents and resources in their home towns.

RULE is funded largely by the Pennsylvania General Assembly, the state Department of Community and Economic Development's Bureau of Local Government Services and Penn State's Department of Agricultural Economics and Rural Sociology. For the complete story, point your Web browser to <http://hcnr.psu.edu/rur/NEWS/news/RULE.html>.

Food

continued from page 1

offers a food court setting, surrounded by diverse theme serving areas with a central check-out area, instead of individual eateries. The new services are:

■ Union Street Burger Co. (former Fast Break) — breakfast and lunch items including sandwiches and beverages.

■ Casa Ortega — (former Food for Thought) Southwestern menu using the national Ortega brand products, with lunch and dinner food items.

■ Chick-Fil-A — (former Food for Thought) — The national brand that provides a wide variety of high-quality chicken sandwiches including healthy items.

■ Piccilli's (former Greenhouse) — salad bar, soups and specialty food items, as well as a grab-and-go area with prepared sandwiches, salads and beverages for easy take-out service.

■ Chat's (former Dough to Go) — Starbucks coffee, pastries, muffins, bagels, Colombo yogurt and other items.

■ Coaly's Cafe — similar design and menus of an upscale deli.

Penn State Housing and Food Services will manage and operate these areas, with University employees working closely with the national brand companies.

In March 1999, the second phase of Union Street is scheduled to open a new coffee bar upstairs on the first floor of the HUB Robeson Center. Higher Grounds, a permanent coffee bar, will replace the Bean Machine coffee cart.

The Cellar, on the west side ground floor, will remain open this summer and fall and spring semesters. It will be renovated next

Partings

Assistant professor noncommittal about plans for his retirement

When it comes to retirement, Steven M. Barnes is taking a "wait and see" attitude.

An assistant professor of education specializing in elementary school science, Barnes has retired after nearly 30 years as a member of the Penn State Harrisburg faculty.

At a recent faculty-staff recognition ceremony, Barnes mentioned that he's often asked what his retirement plans are. He added that he always answers with the advice he gives his elementary education students who are nervous about performing their first science demonstrations in front of a class: "Let's see what happens."

Barnes came to the then-Capitol Campus in 1969 — only three years after its founding and fresh from earning his doctorate at Michigan State University. He had begun his teaching career in a one-building, kindergarten-through-grade-12 building in his hometown of Oskaloosa, Iowa.

Over the years, his teaching responsibilities at Penn State Harrisburg grew to include science and mathematics methods courses, and a computer literacy course.

When asked what he thinks he'll miss most when he's retired, he quickly replies, "the people and working with the students."

Barnes and his wife, Janice, a staff member in the Penn State Harrisburg Student Assistance Center, are the parents of three daughters.



STEVEN M. BARNES

Professor of philosophy taught for 31 years

Carl G. Vaught, professor of philosophy, has retired after 31 years of service to the University. During his time in the philosophy department, Vaught served as head of the department from 1982 to 1992, and as director of the Humanities Program in the College of the Liberal Arts from 1985 to 1992.

Vaught earned his B.A. in philosophy, with a minor in religion, from Baylor University, where he graduated summa cum laude, and he earned his M.A. and Ph.D. degrees from Yale University. Before his arrival at Penn State, Vaught was on the philosophy faculty at Kansas State University.

Vaught's expertise covers metaphysics, the philosophy of religion and the history of philosophy; and he has produced five books and numerous book chapters and articles. He was a Junior Fellow of the Institute for Arts and Humanistic Studies from 1970 to 1973, and he has been a Fellow of the Society of Philosophy in America since 1987, as well as a senior common room member of Oriel College, University of Oxford, since 1990. In 1993, Baylor University named Vaught a distinguished alumnus.

Professor earns emeritus rank

Sam Y. Zamrik, professor of engineering science and mechanics, has retired with emeritus rank after 36 years at the University.

Zamrik has been a faculty member since 1962 and is an international expert in the area of fatigue and fracture of structures. During his career, he developed new methods of analyzing the failure of structures from fatigue and fracture — that is the failure that results from repeated loads, repeated use, resistance to wind and other elements. Over the past two decades, Zamrik has received support from NASA's Lewis Research Center, Oak Ridge National Laboratory and the Department of Energy to develop further his research.

Zamrik's research also included developing damage concepts to assess the life of structural materials. During his tenure, he created a research testing facility for high-temperature applications at the University. He received a B.A. in mathematics in 1956 and a B.S. in mechanical engineering in 1957 from the University of Texas and a Ph.D. in engineering mechanics from Penn State in 1965.



SAM Y. ZAMRIK

He has published more than 100 technical papers and reports on fatigue and fracture and edited numerous publications. He is author of the book *Stress Analysis of Engineering Components*, which is used in a graduate course he has taught for more than 20 years.

Over the years, Zamrik has received numerous awards including the 1996 American Society of Mechanical Engineers Pressure Vessels and Piping Medal, ASME's Robert M. McGrattan Literature Award, and the 1992 Mechanical Engineer of the Year award from ASME's Central Pennsylvania section. Zamrik holds memberships in a variety of professional organizations and has been an active leader serving on numerous boards and committees.

Although he is retiring, Zamrik plans to continue collaborating with fellow faculty members to develop research activities. He is a licensed pilot with instrument rating. He also is an avid golfer, but says that he has had only partial success in applying mechanical engineering principles to his game.

Retirement marks end of era at Hazleton

Friday, July 31, will mark the end of a long legacy at Penn State Hazleton when Jim Concannon, assistant professor of English, officially retires.

Concannon has been a Penn State Hazleton faculty member for nearly 29 years and in that time has taught hundreds of students in technical writing, business writing, college composition, college remedial writing and numerous other courses.

A self-described gentleman farmer, Concannon says he now plans to fill his time both "out in the fields," and performing communications consulting and technical writing seminars for corporations.

Before joining the Hazleton faculty in 1969, Concannon taught philosophy at Delaware Valley College and gained technical experience with General Electric's Switchgear Division and the United States Air Force. He earned both a baccalaureate and master's degree in English from Rowan College, N.J., and has attended graduate



JIM CONCANNON

school at both Temple and Lehigh universities.

Concannon was named the campus's "Teacher of the Year" in 1986. Concannon, whose specialty is business and technical writing, also developed and taught several courses in Irish literature. In addition to his University courses, Concannon also conducted writing seminars at the Hazleton Area Career Center, the Jim Thorpe Vocational School and special workshops for area businesses.

Concannon has been an adviser to the Penn State Hazleton Parnassus Society, and the campus representative to the Inter-Campus Committee on English. He also is a member of the Pennsylvania College English Association and the Penn State University Conference on Rhetoric and Composition. In addition, Concannon coached several sports.

Concannon and his wife, Jane, reside in Wapwallopen.

Five employees retire

Helen E. Clark, curriculum coordinator in the Office of the President, from Sept. 8, 1970, to June 27.

Donna J. Garbrick, residence hall utility worker in Housing and Food Services, from Nov. 4, 1981, to May 30.

Dorothy S. Mullin, instructor of mathematics at Penn State McKeesport, from Jan. 1, 1979, to June 1.

Louis Prather, group leader janitorial worker at Penn State Harrisburg, from July 31, 1978, to June 6.

Samuel H. Ryder, maintenance worker in Office of Physical Plant, from Sept. 22, 1963, to June 6.

Staff assistant retires after 30 years of service

Eileen Spotts, staff assistant in the Department of Chemistry, has retired after 30 years of service. During that time, she worked for five different department heads and three different deans. Starting as a secretary, her job responsibilities expanded to include processing student requests for dropping and adding courses, maintaining student records, and helping with the many different challenges that students face.

She was supervisor of the undergraduate office in the department. She received the first Department of Chemistry Staff Excellence Award in 1966.

Spotts said her plans include improving her house and becoming more active in church duties.

Partings

Assistant professor at Beaver since 1968

Harvey R. Kelly, assistant professor of speech communication, has retired from Penn State Beaver.

Kelly taught speech communication and theatre at Penn State Beaver since 1968. He also served as the adviser of the Masquers student theatre troupe for 30 years. In addition to an annual fall dramatic production, the Masquers produced an annual children's play each spring and is credited with having exposed more than 250,000 children to live theatre over the past 30 years.

His prior experience includes 12 years as an English, French and speech teacher in the Coraopolis School District and two years as an English, speech and journalism teacher in the Rockwood Joint School District.

Kelly holds a master's degree in education with an emphasis on speech and a bachelor's degree in speech



HARVEY R. KELLY

with minors in English and French, all from the University of Pittsburgh.

He is a member and past president of the Western Pennsylvania Speech Association, the Speech Communication Association of Pennsylvania and the Eastern Communication Association. He also is a member or past member of numerous organizations.

Over the years, Kelly has directed and written numerous productions and received various honors, including the 1997-98 Club Adviser award given by the Penn State Beaver Student Government Association. In 1987, the Penn State Beaver Arts and Communication Scholarship was endowed in honor of him and another faculty member.

Kelly and his wife, Clara, live in Moon Township.

Staff assistant served 37 years

Lois N. McFarland, staff assistant VII, has retired from the University after 37 years. McFarland has worked in various departments and centers across the University, including industrial engineering, geology, the Pennsylvania Transportation Center and the Environmental Policy Center. For the past 18 years, she has served in the Undergraduate Admissions Office.

McFarland says she has no special plans for retirement as she joins her husband, Donald, who retired from Penn State in 1986 after 24 years of service. McFarland wants to continue bowling and will enjoy gardening.

Associate professor gives 35 years of service

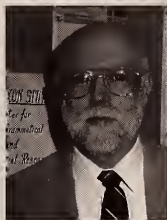
Ronald Buckalew, associate professor of English, has retired following 35 years of service to Penn State and a career that established him as an expert in the history of the English language.

Buckalew earned his A.B. degree in English and Greek at the College of Wooster, and both his M.A. degree in English and philosophy and Ph.D. in English and philology from the University of Illinois, Urbana. During that time, he also studied linguistics at the University of Munster in Germany. Buckalew was also a postdoctoral Fellow at the Linguistic Society of America Linguistic Institute at the University of California, Los Angeles, and the LSA Linguistic Institute at the University of Illinois, Urbana.

Buckalew focused much of his research on the Old English Latin Grammar and Glossary of Aelfric, a monastic scholar and educator, later abbot, who is considered the premier prose stylist of early English and is best known for the many sermons he wrote in the vernacular.

Buckalew was the first to establish the work's precise source, an unpublished compilation and conflation of Latin grammatical texts, and he demonstrated its extensive use. His manuscript work led Buckalew to his role as one of the founders of the major international research project, Anglo-Saxon Manuscripts in Microfilm Facsimile, in which all manuscripts containing any Anglo-Saxon or Old English are being reproduced and described.

Buckalew's work has appeared in book chapters, articles and numerous scholarly papers and lectures. He has been attached to the Department of Anglo-Saxon, Norse and Celtic at Cambridge and has been made a life member of Clare Hall, Cambridge.



RONALD BUCKALEW

Professor retires with emeritus rank

Jack C. Hayya, winner of a Graduate Faculty Teaching Award in 1996 and a noted authority in applied statistics and operations management, has retired from The Smeal College of Business Administration.

Hayya, named a professor emeritus of management science, was a fellow in the Decision Sciences Institute (DSI) and served a two-year term as DSI vice president at-large and as a member of the institute's Planning Committee for International Affairs. In addition to numerous other commitments, Hayya was associate editor of the journal *Decision Sciences* for 11 years, a member of the editorial board of the *Journal for Operations Management* and an area editor for *Production and Operations Management*. Hayya also was the recipient of The Smeal College's first Achievement in Diversity Award in 1989.

Hayya served as adviser to doctoral students pursuing work in the management science/operations



JACK C. HAYYA

logistics primary field. He directed the work of more than 20 doctoral candidates and more than 10 master's students.

The Graduate Faculty Teaching Award recognizes Penn State faculty members who have excelled in teaching at the graduate level and in supervising the thesis work of graduate students.

A faculty member in Smeal's Department of Management Science and Information Systems, Hayya joined the college in 1967. He earned a bachelor's degree in civil engineering from the University of Illinois in 1952, a master's degree in management from Cal State-Northridge in 1961, and a doctorate in business administration from UCLA in 1966.

He is the author or co-author of nearly four dozen articles and his work also appeared in the published proceedings of 70 conferences.

Professor retires after teaching 32 years

After 32 years of service to Penn State, Daniel Walden, professor of American studies, English and comparative literature, has retired.

Walden earned his B.A. degree in humanities and English at the City College of New York, his M.A. degree in American studies from Columbia University, and his Ph.D. in American studies and English from New York University. In 1966, he joined the Penn State faculty in the English department. Before that, he served in the U.S. Army as a sergeant tech; was a professional stage actor and singer in New York; and taught at Queens College, the New School for Social Research in New York and Michigan State University.

Throughout his career, Walden has concentrated on the literature of American urban ethnic groups and the meeting points of literature and technology.



DANIEL WALDEN

He is author or editor of more than a dozen books. He also has been editor-in-chief of *Studies in American Jewish Literature* since 1975. In 1993, Walden was honored at the Modern Language Association by the Society for American Jewish Literature and the Society for Multi-Ethnic Literature in the United States. Earlier this year, the American Literature Association presented Walden its Distinguished Service Award.

Walden has taught courses at the graduate and undergraduate level in American studies, English and comparative literature, and from 1984 to 1994 he directed the American studies program for the college. He is working on a book, *Conversations with Chaim Potok*, to be published by the University Press of Mississippi.

Awards

Beaver advisory board recognizes three

Three members of the Penn State Beaver faculty and staff were recently recognized by the Campus Advisory Board for exemplary service in the areas of teaching, research and service to the community.

■ John A. Ciciarelli, assistant professor of environmental science, received the Teaching Award. The award recognizes outstanding classroom instruction. Eligible faculty members must have been taught at Penn State Beaver for a minimum of two semesters and be nominated by at least three students.

Ciciarelli, who has taught geology and geological science at Penn State Beaver since 1971, was chosen for his strong interest in students, understanding of the subject matter, willingness to offer additional help and enjoyable teaching style. He served as Fulbright lecturer at the University of the West Indies in Barbados and as a visiting assistant professor at Notre Dame. He has published three books and has served on numerous University committees.

■ John-Paul Mullis, assistant professor of psychology, received the advisory board's Research Award. The award acknowledges excellence in

scholarly and creative activity. Eligible faculty members must have a minimum of three years of full-time service and have published at least two juried/peer-reviewed manuscripts or have had at least two juried creative exhibits/performance within the previous three academic years.

Mullis, who has taught psychology at Penn State Beaver since 1994, has published six manuscripts over the past three years, has two manuscripts at press awaiting publication and has three under review. He has been published in the *Journal of Applied Social Psychology*.

Mullis, who holds two doctorate degrees, one in geotechnical engineering from the University of California at Berkeley and another in social psychology from the University of Southern California, is a member of 17 professional societies and organizations; has authored or co-authored 23 publications and 10 oral presentations; and is the recipient of nine research grants.

■ Mary E. White, staff assistant in the Office of Academic Affairs, received the Staff Recognition Award. White is the first person to receive this

award instituted during the 1997-98 academic year.

The award recognizes outstanding performance by a full-time member of the Penn State Beaver staff. Emphasis is placed on delivery of quality customer services demonstrating enthusiasm, superior organizational skills, commitment to the customer, innovation and a willingness to work in a cooperative manner with other members of the campus community. Eligible staff members must be employed at Penn State Beaver for at least two years.

White was selected for the award because she works consistently with faculty on projects and assists them in their scholarly activities; is consistently helpful and professional in meeting deadlines, often volunteering personal time in the evening and on Saturdays; and goes out of her way to accommodate the faculty.

White began her Penn State career in 1976 at the University Park campus. She transferred to Penn State Beaver in 1981, where she served as a clerk in the campus bookstore for 10 years. She spent four years as the faculty secretary and assumed her current position in 1993.

Associate professor of physics named a Guggenheim Fellow

Jorge Pullin, associate professor of physics has been selected as a Guggenheim Fellow by the John Simon Guggenheim Memorial Foundation.

According to the foundation, Guggenheim Fellows are selected on the basis of their unusually distinguished achievements and their exceptional promise for future accomplishments. Pullin was among 168 scientists, scholars and artists selected to receive the award in 1998 out of 3,000 candidates.

Pullin is a researcher in the Penn State Center for Gravitational Physics and Geometry. In his research on gravitational wave astrophysics, Pullin has developed and is attempting to extend a relatively simple approximation, solvable with paper and pencil or a desktop computer, with which to predict efficiently how much gravitational radiation is produced by the collision or merger of two neutron stars or black holes. The Guggenheim Fellowship will help to support Pullin's study.



JORGE PULLIN

His work in this area is an important part of an international effort that will analyze data from large gravitational-wave detectors in an attempt to better understand gravity — one of the fundamental forces of nature.

Pullin studied electronic engineering at the University of Buenos Aires in Argentina before earning a master's degree in physics with distinction in 1986 and a doctoral degree in physics in 1988, both from the Instituto Balseiro in Argentina. Pullin was a faculty member at various institutions before coming to Penn State in 1993.

Pullin has received many awards and honors, including both the Alfred P. Sloan Foundation Fellowship and the National Science Foundation Early Career Development Award in 1995. He is the editor of the newsletter of the American Physical Society's Topical Group in Gravitation and serves on the editorial board of several research publications.

■ John G. Champagne, assistant professor of English at Penn State Erie, who was awarded the Benjamin A. Lane Outstanding Service Award. Determined by a committee of faculty and students, this award is presented to a faculty or staff member who has demonstrated outstanding service and dedication to the college as exemplified by the unparalleled devotion of Benjamin A. Lane, associate professor of English emeritus; and

■ Barry Weller, associate professor of economics, who received the Guy W. Wilson Award for Excellence in Academic Advising. First presented in 1982, this honor is given to encourage and recognize excellence in academic advising by faculty at Penn State Erie.

Associate professor wins teaching award

Jacqueline S. McLaughlin has received the 1997-98 Excellence in Teaching Award at Penn State Lehigh Valley. This award is presented annually to a faculty member who exemplifies teaching excellence.

McLaughlin has been part of the faculty at Penn State Lehigh Valley since 1990, starting as an adjunct faculty member while finishing her Ph.D. in cell and developmental biology from Rutgers University. She has taught full time since 1994 and was

named assistant professor in 1996. She earned her master's degree in cell and developmental biology at The Florida State University and a bachelor's degree in biology/chemistry from New College of the University of South Florida.

She is an active member of the college's faculty organization, campus appeals board, faculty affairs committee and is chair of the community affairs committee and a liaison with local legislators. She is a member of several community and professional organizations.

In 1996 McLaughlin received the Penn State Lehigh Valley Student Appreciation and Recognition Award, an honor bestowed by students to acknowledge an outstanding faculty member.



JACQUELINE S. MCLAUGHLIN

Penn State Erie honors several faculty members

Several Penn State Erie faculty members were honored recently with awards. They are:

■ Jack Young, associate professor of mechanical engineering, who received the Penn State-Behrend Council of Fellows Excellence in Teaching Award. Established in 1969, this award recognizes the faculty member who, in the opinion of students and colleagues, most truly fills the role of inspired and committed teacher;

■ Mary G. Chisholm, associate professor of chemistry, received the Penn State-Behrend Council of Fellows Faculty Research Award. Established in 1982, this award recognizes the faculty member who, in the opinion of his or her peers, truly fills the role of a dedicated, inspired researcher at Penn State Erie;

Appointments

Worthington Scranton appoints continuing education director

Michele E. Buchinski was recently appointed as director of continuing education at Penn State Worthington Scranton. She will be responsible for the development and implementation of continuing education programs for individuals, business and industry.

Buchinski holds a master's degree in human resource management and bachelor of arts degree in liberal studies from the University of Scranton. She also received an associate degree in arts from the University of Scranton's Dexter Hanley College.

Before her appointment, Buchinski held several positions including assistant director, manager of training and seminar development, business counselor and business coordinator with the University of Scranton Small Business Development Center.

She is a member of the Greater Scranton Chamber of Commerce Small Business Council, serving as its chairperson for 1997-98, and the American Management Association. She also is a member of the American Cancer Society's Relay for Life Committee and a volunteer for the chamber's "City Pride" organization.



MICHELE E. BUCHINSKI

College of Engineering names outreach, program director

Wayne Hager, professor and head of the School of Engineering Technology and Commonwealth Engineering (SETCE), has been named director of outreach and Commonwealth programs for the College of Engineering. In this position, Hager will assume leadership for continuing and distance education activities in the college and will continue to provide leadership in collaboration and interaction with campuses and colleges throughout Penn State. Hager also will lead engineering design and graphics.

Hager also is charged with the college's educational programs at non-University Park locations. He has been a member of the Penn State faculty since 1988, when he joined as head of the Department of General Engineering.

Before coming to Penn State, he was a faculty member at the University of Idaho since 1972. Between 1985 and 1987, Hager was a Fulbright Senior Scholar at the University of Mauritius in the Indian Ocean.

Hager's industrial experience includes six years with Hercules Inc. and DuPont Co. He received his B.S. in chemical engineering from the University of Utah and his M.S. and Ph.D. in chemical engineering from the University of Idaho. He is an active member of the American Society for Engineering Education and holds membership in various organizations.



WAYNE HAGER

College of Education announces interim dean appointment

Edwin L. Herr, distinguished professor of education, has been named interim dean of the College of Education, effective Aug. 1. Rodney J. Reed, dean of the college for nearly eight years, will retire this month.

Until recently, Herr was associate dean for graduate programs, research and technology in the College of Education. Before being named to that position in 1992, Herr had been head for 24 years of the college's Department of Counselor Education, Counseling Psychology and Rehabilitation Services Education (which had several name changes during those years).

Herr joined Penn State in 1968 as professor of education and chair of graduate programs in the Department of Counselor Education. He previously served as interim dean of the college, acting assistant dean for graduate studies, director of the Education Counseling Center and director of Vocational Teacher Education.

Herr is author or co-author of 31 books and monographs and 260 articles and book chapters.

The College of Education's higher education program was ranked the best in the country in 1996 by *U.S. News & World Report*, and its workforce education and development program was ranked No. 3 by the magazine in 1997. The college's programs in adult education, counseling psychology, educational administration, rehabilitation services education and special education also have been ranked in the top 10 nationally.

Smear College appoints two new and one interim department heads

New and interim appointments for three academic departments in The Smear College of Business Administration have been announced.

John E. Tyworth, professor of business logistics, will assume the top spot in the Department of Business Logistics; Linda K. Trevino, professor of organizational behavior, will be the new chair of the Department of Management and Organization; and Edward T. Reutzel, associate professor of management science, will serve as interim chair of the Department of Management Science and Information Systems.

Tyworth succeeds John C. Spychalski, who led the Smear logistics department for 16 years and played a major role in its rise to international prominence. Spychalski, a professor of business logistics, will return to his faculty duties.

Trevino, whose one-year appointment will be effective July 1, 1999, succeeds Gerald I. Susman, holder of the Robert and Judith Klein Professorship of Management, who has



JOHN E. TYWORTH



LINDA K. TREVINO

been department chair since 1991. Susman also will return to faculty duties and continue as director of the Center for the Management of Technological and Organizational Change.

Reutzel will serve as interim department chair in management science and information systems for six months while J. Keith Ord, holder of the David H. McKinley executive education professorship and a professor of statistics, is on leave.

Tyworth, also research director of the Center for Logistics Research, is an expert in the purchase and use of transportation services by corporations, the modeling of logistics systems, and the assessment of the value of logistics services. Trevino's research and teaching interests are in the areas of managerial ethics, organizational justice, and managerial communications and new communications technologies. Reutzel is an expert in the application of management science models to operating systems.

College of Agricultural Sciences welcomes new department head

Roy Young, professor of agricultural and biological engineering at Clemson University since 1984, has been named professor and head of the Department of Agricultural and Biological Engineering in the College of Agricultural Sciences.

Young's research on the mechanization of plant micropropagation has resulted in five patents.

Before going to Clemson, he worked from 1978 to 1984 as a section manager of horticultural engineering in the Silvicultural Engineering Department of the Weyerhaeuser Co. in Tacoma.

In addition, Young worked as a research engineer at North Carolina State University in the summer of 1970, and was a scientific guest at the Max-Planck Institute in Bad Kreuznach, Germany, in the summer of 1969.

Young earned his B.S. in biological and agricultural engineering from North Carolina State University in 1966, returning to the university for his Ph.D. in biological and agricultural engineering, which he earned in 1972. He received his M.S. in agricultural engineering from Iowa State University in 1968 and has been a registered professional engineer since 1976.

Young was named a Fellow of the American Society of Agricultural Engineers (ASAE) in 1994. Among his numerous other honors are the ASAE President's Citation in 1989 and ASAE Technical Paper Awards in 1986 and 1995.

He is a member of several professional societies and has served on many state, regional and national committees for ASAE. He also is a member of many professional organizations.



EDWARD T. REUTZEL



ROY YOUNG

Private Giving

Liberal arts alumni endow fellowships, scholarship

Four Penn State alumni recently made gifts totaling more than \$657,500 to help students and faculty in the College of the Liberal Arts.

■ Penn State alumnus Bruce R. Miller of Fairfax, Va., has donated \$287,500 to endow a graduate fellowship for outstanding political science students in the college.

The fellowship will be named in honor of Miller, a 1971 graduate in political science. Miller is founder and president of the Employee Benefits Corp. of America, in McLean, Va.

He recently received the Service to Penn State Award from the College of the Liberal Arts for his many years of volunteer service to the college and Penn State. He serves as a member of the College of the Liberal Arts Development Council, as a board member of the Penn State Center for the Performing Arts and on the Nittany Lion Club Advisory Council.

■ Milton B. Dolinger of Strongsville, Ohio, a Cleveland suburb, has endowed a graduate fellowship in the College of the Liberal Arts with a gift of \$250,000. Consideration for the annual award will be given to full-time graduate students who have exhibited academic excellence.

Dolinger graduated in 1943 with a degree in journalism. He said he believed passionately in the ability of a liberal arts education to nurture the kind of communication and writing skills on which his own career as a journalist and communications professional was founded.

A native of Scranton, Dolinger was a reporter for *The Daily Collegian*. He later served as a combat correspondent in the Fifth Army in Italy during World War II and received the Bronze Star for his work in the field. He then spent 10 years with United Press International and 34 years with CSX Corp., a transportation company, and its predecessor railroads. At the time of his 1988 retirement,

he was assistant vice president of corporate communications.

■ Ray S. and Marlene Marks Bolze of Bethesda, Md., have pledged \$120,000 to endow an undergraduate scholarship in the college. First preference for the award will be given to outstanding students from the Washington, D.C., metropolitan area. Ray and Marlene Bolze received scholarship aid as students and graduated with degrees in arts and letters in 1957 and 1958, respectively.

Ray Bolze is a lawyer with Washington, D.C.-based firm Howrey & Simon. Strong believers in the value of public education, the Bolzes have extensive experience in the public school system. They tutor students with learning disabilities on a voluntary basis in the metropolitan-area school systems. In addition, Marlene Bolze has strong ties to public schools, both as a teacher and as president of high school and elementary school PTAs.

Family supports Schuylkill

Supporting Penn State Schuylkill is a family affair for A. Roger and Betty Ann Tobias.

The Orwigsburg couple is carrying on a tradition of commitment to the campus begun by Mr. Tobias' father more than 50 years ago when he served on the first advisory board. In fact, father and son served together on the board for a period of time, creating a Tobias leadership presence on the campus every year of its existence.

Now retired and a member of the Penn State Schuylkill Advisory Board, A. Roger Tobias has made a \$105,000 annuity commitment to the campus to create the Tobias Family Scholarship. The scholarship is aimed at "providing recognition and financial assistance to outstanding students enrolled or planning to enroll at Penn State Schuylkill who have a proven need for funds to meet their necessary college expenses."

The scholarship will be awarded for one academic year and can be renewed for subsequent years.

A 1948 graduate of the College of Health and Human Development at University Park, Roger Tobias' first career was in hotel and restaurant management including a stint as manager of the famed Miami Fontainebleau Hotel.

He left his first career to operate Tobias Yule Tree Forests in Schuylkill County with his father, who is now deceased. After 50 years of continuous family leadership, the business was recently sold.

Erie gains gift of \$100,000

Irvin H. Kochel, administrative head of Penn State Erie — known then as Behrend Center — from 1954 until 1980, and his wife, Ethel, have presented the college with a \$100,000 endowment that will be used to create two scholarship funds and an award that will benefit Penn State Erie students.

■ The Ethel and Irvin H. Kochel Scholarship for International Study will provide recognition and financial assistance to outstanding students with financial need who are enrolled or planning to enroll in an international study program.

■ The Irvin Kochel Leadership Scholarship was created to provide recognition and financial assistance to outstanding undergraduate students with financial need who are enrolled or plan to enroll at Penn State Erie.

■ The Irvin Kochel Lion Ambassador Fund was developed to honor and recognize an outstanding Lion Ambassador as well as to support the expenses and activities of the Lion Ambassador program at Penn State Erie. Lion Ambassadors are students chosen to serve both on- and off-campus as outstanding representatives of the student body. Kochel developed the Lion Ambassador program in 1981 during his tenure as an administrator at University Park.

Irvin Kochel's 27 years of leadership brought Penn State Erie from a two-year center to a four-year, degree-granting institution. During his tenure he developed a talented, high-quality faculty and expanded the initial program offerings to create baccalaureate and graduate degrees. He raised money from the Erie community to provide funds for much-needed residence halls, the Otto Behrend Science Building and the Reed Union Building.

Obituaries

G. Lester Anderson, founding director of the Center for the Study of Higher Education and education professor and administrator for decades, died on June 4 after an extended illness. He was 89.

Anderson founded the center in 1969 and served as its leader until his retirement in 1976. In addition, for a year he served as acting dean of the College of Education. Before directing the Center for the Study of Higher Education, Anderson was vice chancellor for educational affairs at State University of New York at Buffalo. While at SUNY-Buffalo, he played a key role in the transition of the University of Buffalo as a private institution to a leading unit of the State University of New York System.

Anderson's career in education

spanned four decades in which he also served as professor and research assistant at the University of Minnesota and was dean of teacher education at the Municipal Colleges of New York City, now known as City University. During his lifetime, he authored more than 100 journal articles, book chapters and research projects. His professional involvement included membership and leadership responsibilities in several organizations and he served as a consultant to numerous other institutions.

Edward D. "Ted" Eddy, who retired as president of the University of Rhode Island in 1991 and who served as Penn State's provost from 1977 to 1983, died June 28 at his home in Wakefield, RI. He was 77.

As Penn State's provost under former University President John W. Oswald, Eddy was the University's chief academic officer. When Oswald was ill in 1978, Eddy assumed the duties of University president.

Before joining Penn State, Eddy had been president of Chatham College in Pittsburgh since 1960. He began his academic career at Cornell University and from 1949 to 1960 served at the University of New Hampshire. In 1954-55 Eddy was acting president of the University of New Hampshire.

Eddy was the author of many books and professional journal articles on public and private higher education issues. His 1957 book, *Colleges for Our Land and Time: The Land-Grant Idea in American Education*, was widely recognized as one

of the key works on the land-grant movement in the United States.

Murray S. Martin, former associate dean of University Libraries, died in Hartford, Conn., of a heart attack on May 19. He was 69.

Martin joined University Libraries in 1967 as chief acquisitions librarian, was promoted to assistant director and later to associate director. In 1974, he became associate dean of University Libraries. In 1981, he left Penn State to become university librarian at Tufts University, Medford, Mass., retiring from that position in 1990 with emeritus rank.

Memorial contributions may be made to Special Collections (New Zealand), Development Office, Penn State, ES05 Pattee Library, University Park, Pa. 16802.

Research

Memory competes with fact in recalling historical events

By PAUL A. BLAUM
Public Information

Fond memory often competes with hard fact in the reconstruction of an historical event. A Penn State historian has found a classic case in Pickett's Charge, the climax of the decisive battle of Gettysburg during the Civil War.

"In regard to Pickett's Charge, historical fact and memory have blended together so seamlessly that we cannot separate them now," said Carol A. Reardon, associate professor of history. "Over the years, poets, artists, novelists, visitors and even entrepreneurs have found special inspiration in the charge, often in ways the soldiers themselves could not have foreseen."

The hard kernel of truth is that on July 3, 1863, about 13,000 Confederate troops — led jointly by generals George E. Pickett, James Johnston Pettigrew and Isaac Trimble — made a conventional infantry assault on the Northern lines on Cemetery Ridge. They were repulsed with disastrous losses, after which Confederate commander-in-chief Gen. Robert E. Lee abandoned the field and retreated into Virginia.

"The most accurate recollections of the charge presumably would come from soldiers who took part in it, both as attackers and defenders," Reardon said. "Yet their respective accounts often do not correspond with each other. There is a good reason for this. In the heat of battle,



Carol A. Reardon, associate professor of history, has found that memories of an event — even a well documented event such as the Civil War's Battle of Gettysburg — blend so seamlessly with fact that they are hard to separate.

Photo: Greg Grieco

the world of the individual soldier psychologically compresses to five feet around him. Few, if any, of the soldiers involved would have had a global perspective of the charge.

"After the battle of Gettysburg, both celebrating Northerners and mourning Southerners shared a common need: a context for their sacrifice," Reardon said. "Army gossip and camp rumor could fulfill only so much of this need. Neither could the disconnected threads of informa-

tion flesh out a picture that all survivors could understand. For that, the soldiers — and their friends and family at home — turned to the newspaper."

The 40-odd reporters who covered the battle had to file their stories quickly. With readers demanding news constantly, timely reporting often mattered more than detailed or accurate accounting. This priority also helped to carve out a special niche for Pickett's Charge in history and popular memory, said Reardon.

Charles Carlton Coffin, the Boston Journal correspondent at Gettysburg, described Pickett's Charge as "the high-water mark of the rebellion, a turning point of history and of human destiny," a phrase that remained fixed in the public imagination for many decades.

"The most vivid accounts of the charge appeared within two weeks in the five papers competing for readership in Richmond, Va.," said Reardon. "Because Major Gen. George A. Pickett was a Virginian and most of his men were from Richmond and eastern Virginia, the Richmond papers early on coined the phrase 'Pickett's Charge.'"

This image disregarded the critical role of Pettigrew, commanding troops from North Carolina, Tennessee, Alabama and Mississippi, and Trimble, who led two brigades of North Carolinians. North Carolina veterans of "Pickett's Charge" would never forget this slight, and often today the term "Pickett's Charge" is not used in North Carolina, said Reardon.

"History is real; selective memories of history are less so," said Reardon. "The ongoing tension between history and memory still confronts us, not only in our efforts to understand Pickett's Charge but Desert Storm, Vietnam, the Great Depression, Ellis Island, the Indian wars and the sum total of the American experience. That's what makes the study of history intellectually stimulating and fun at the same time."

Method simulates ocean penetration of sonic booms

By BARBARA HALE
Public Information

Engineers have developed new methods for simulating sonic boom penetration into the ocean — and estimating how loud a noise the boom makes underwater where it could potentially annoy whales, fish and other marine life.

Victor W. Sparrow, associate professor of acoustics, and Judy Rochat, a doctoral candidate in the graduate program in acoustics, developed the technique.

The simulation technique, called a finite difference method, can compute the penetrating sonic boom noise for both simple and complex ocean surfaces, corresponding to calm and rough seas. Using the technique, the researchers found that a somewhat complex wavy ocean surface only slightly augments the underwater noise from a sonic boom.

Sparrow was able to confirm that simulations developed through the new computational technique closely match actual ocean observations. Sparrow heard a report, in summer 1997, from a Canadian research team that was measuring ambient ocean noise as part of a project unrelated to his. A supersonic aircraft just happened to pass overhead as they were taking underwater measurements. The booms produced by the aircraft were an annoyance to the Canadians but a gift to Sparrow since the observations confirmed the reliability of the Sparrow/Rochat approach.

Rochat said it is currently illegal to fly supersonically over land. So, supersonic planes use sea routes. She said that we can expect a new breed of supersonic passenger aircraft to be operating early in the next century, making the need for ways to gauge the possible underwater disturbances newly imperative.

Study finds link between Alaskan suicides and seasons

A study finds seasonal variations for Alaskan natives when it comes to suicide. Those born in the summer commit just over 33 percent of all suicides. Those born in the fall, winter and spring commit suicide at equal rates, with about 22 percent of all the suicides coming in each season.

"Examining the season of birth for those with psychiatric disorders is not new. It has previously been demonstrated that those suffering from schizophrenia are more likely to be born in the first three months of the year. Similar data can also be found for mental retardation and alcohol

and drug abuse. Having lived and worked in Alaska, I knew suicide was a major problem and I wondered if we might find data like this," said Paul Kettl, associate professor of psychiatry and acting chair of the department in the College of Medicine.

"I believe many environmental factors may affect suicide. In this case we can theorize that being born in a setting with large amounts of sunlight affects the still-developing brain to predispose those individuals to suicide later in life," said Kettl.

As part of this study, Kettl not only examined suicide rates of Alaskan natives, but also rates of residents in Montana, Wyoming and Pennsylvania. There were no statistically significant seasonal differences for residents in the states studied other than Alaska.

Kettl said there also are several other factors that may contribute to suicide.

"I believe other environmental variables and other novel factors also should be studied to learn more about this problem, which kills 1.5 percent of the population," said Kettl.



Park Avenue facelift

Workers from Haranin Concrete Construction Co. (left) work on a section of new sidewalk being installed along Park Avenue on the University Park campus. Above, Paul Thomas from CMT Laboratories, an independent materials testing lab, gathers samples of concrete for quality control sampling.

The much-needed sidewalk, which will improve pedestrian safety along the busy road, was the suggestion of workers from the Office of Physical Plant, who noted the worn dirt walking path along the route. The sidewalk will run from the main entrance of The Nittany Lion Inn out toward East Halls, encompassing a half-mile stretch. The \$200,000 project, which also includes new, energy-efficient street lighting and ADA-compliant curb ramps, is scheduled to continue through mid-August. Occasional lane closures on Park Avenue between 9 a.m. and 3 p.m. are possible, but all construction halts at 4 p.m. to minimize disruption during the rush hour. The project is also being coordinated with PennDOT work on North Atherton Street.

Photos: Greg Grieco

Gambling expert is Harrisburg's Alumni Fellow

An internationally recognized expert on compulsive gambling is Penn State Harrisburg's 1998 Alumni Fellow.

Valerie C. Lorenz, who holds both a bachelor of social science and a master's degree in social psychology from Penn State Harrisburg, will be formally honored as an alumni fellow this fall.

The most prestigious award presented by the Penn State Alumni Association, the alumni fellow designation, established in 1973, is a permanent title authorized by the Board of Trustees and administered in cooperation with each of the University's academic colleges.

A resident of Baltimore, Lorenz has conducted groundbreaking research on compulsive gambling and its impact on the gambler, family and community. As an active clinician, she treats both compulsive gamblers and family members and has been published in more than 60 professional journals and books.

The founder and executive director of the Compulsive Gambling Center in Baltimore, she has served as an expert witness before state and congressional legislative committees and in state, federal and military courts, and bankruptcy and arbitration hearings for both prosecution and defense.

Wildlife program at DuBois gains approval

The associate degree in wildlife technology program at Penn State DuBois has been fully accredited by the North American Wildlife Technology Association. The association's guidelines are the recognized international standard for both new and established programs in wildlife technology.

The wildlife technology program at Penn State DuBois began in 1970 in direct response to a growing public concern for the environment, natural resource conservation and maintaining healthy wild animal populations

for future generations. Since 1972, the program has graduated more than 800 students.

Penn State offers the wildlife technology program, directed by Charles P. "Hoagy" Schaadt, only at DuBois. It can be completed in as little as two years and includes both classroom and laboratory components. Opportunities for hands-on experience are enhanced by the campus' close proximity to national forests and state parks and game-

To receive North American

Wildlife Technology Association accreditation, wildlife technology programs must submit materials demonstrating adequate opportunities for instruction in wildlife biology and management; biological and ecological skills; forest science; data skills; surveying, mapping and inventory skills; fisheries and aquatic science; social and behavioral science; recreation and safety; physical science; law enforcement; administration and policy; and mechanical skills.

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Volume 27, Number 36

Jordan Center draws big crowds for the year

Since opening its doors in January 1996, The Bryce Jordan Center has played host to some big names in the entertainment industry and quickly became the source for academic, conference and sports excitement in Central Pennsylvania — attracting close to 2 million people to its events.

During its first two years of operation, the Jordan Center has been the recipient of numerous national

accolades, while also becoming the top-grossing university venue in North America. From March 1997 through February 1998, the Jordan Center grossed more than \$7.8 million, according to numbers from Amusement Business Boxscore, outdistancing even Ohio Stadium at The Ohio State University, which has a capacity of more than 40,000. Over that same time period, Ohio Stadium grossed about \$5.8 million.

Amusement Business serves as an information source for the live entertainment industry by tracking attendance and ticket sales.

The top-drawing act so far at the Jordan Center has been Garth Brooks, who attracted a total audience of 75,370 for his five April 1997 shows there, (see chart on page 3). Nittany Lion basketball also was a hot

See "Jordan Center" on page 3

In aftermath of riot, programs strengthened, groups form

By BILL CAMPBELL
Special to Intercom

Penn State's university-wide commission on alcohol abuse is planning a special town-gown issues forum to discuss positive approaches in the aftermath of the July 12 riot in State College.

"While we are gravely concerned about the riot, we now see it as an opportunity to develop a genuine partnership with the community in addressing the problem," said Kathleen D. Matason, chair of the Commission for the Prevention of Alcohol, Tobacco and Other Drug Abuse.

"We're anticipating that our first meeting of the fall on Sept. 2 will be an open forum where anyone can come and talk to the commission, which is a vested community-campus organization. The commission represents the University and the community at all

Those found guilty in riot to be dealt with firmly

Taking the first step in what is being called a "very long and costly process," Centre County District Attorney Ray Gricar has said he will seek prison terms for 20 of the 21 people arrested in connection with the early morning July 12 riot in downtown State College.

A preliminary hearing was held July 22 in Centre County for 11 of the 21 men arrested during the riot that drew a crowd of about 4,000 people to Beaver Avenue and resulted in

See "Riot" on page 2

Penn State locations. We want to provide a forum where we can discuss what we all can do together. We invite

See "Aftermath" on page 2

University to graduate 2,426 this summer

Penn State will hold summer 1998 commencement ceremonies on Aug. 8 at its University Park campus. Degrees will be awarded for a total of 2,426 students throughout the Penn State system, including 1,410 baccalaureate, 771 graduate and 245 associate degree students.

Of the 668 students graduating with

advanced degrees earned at University Park, 457 will receive master's degrees and 211 will receive doctoral degrees. In addition to the degrees earned at University Park, four master's degrees were earned at Penn State Erie, The Behrend College, and 99 master's

See "Commencement" on page 2



Beating the heat

Arne Bascomb, a member of the women's diving team, practiced her diving at the outdoor pool on the University Park campus recently. Many other people also have gone to the pool to seek relief from the recent hot weather.

Photo: Greg Grieco

Inside



Defusing Y2K

Penn State has a role in helping businesses in the state address the "Millennium Bug" — the computer problem that will hit in the year 2000. For more on the story, turn to page 9.



Music man

An assistant professor at Penn State Altoona delves into the true roots of rock, discovering long-forgotten groups and helping them gain fame again. For the full story, turn to "Focus on Research" on page 15.

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Commencement

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degrees were earned at Penn State Harrisburg.

Bachelor's and associate degrees break down as follows:

- University Park — 1,293 bachelor's degrees, 13 associate degrees.
- Erie — 27 bachelor's degrees.
- Harrisburg — 72 bachelor's degrees.
- Abington — 14 bachelor's degrees.
- Other locations combined — four bachelor's degrees, 232 associate degrees.

The undergraduate and associate degree ceremony will be held at 10:30 a.m. in The Bryce Jordan Center, and the Graduate School ceremony will be held at 2 p.m. in Eisenhower Auditorium. President Graham B. Spanier will confer degrees at the baccalaureate and associate degree program, and John A. Brighton, executive vice president and provost, will preside. At the Graduate School ceremony, Brighton will confer the degrees, and Rodney A. Erickson, vice president for research and dean of the Graduate School, will preside.

Speaking at the undergraduate ceremony will

be Howard Gardner. Speaking at the Graduate School ceremony will be Robert Steele, who became dean of the College of Agricultural Sciences in July 1997. Previously, Steele was associate dean for research of the College of Agriculture and Life Sciences and executive director of the Wisconsin Agricultural Experiment Station at the University of Wisconsin-Madison.

During the commencement ceremonies, student marshals — chosen from each college on the basis of academic performance — will lead the graduates to be recognized, along with faculty members they have chosen as marshals to accompany them.

Graduates, parents and friends planning to attend the ceremonies may park in lots adjacent to the Jordan Center for the undergraduate and associate degree ceremony at



A sea of mortarboards

Graduates as far as the eye can see wait expectantly for their degrees at a past commencement ceremony at The Bryce Jordan Center. This summer, Penn State will award degrees to 2,626 students.

Photo: Courtesy of The Bryce Jordan Center

10:30 a.m. and in the Eisenhower Deck for the Graduate School ceremony at 2 p.m.

Aftermath

continued from page 1

everyone to get involved."

Natalie Croll, assistant director of the Office of Health Promotion and Education and staff support to the commission, noted that calls and concerns about the riot came to a number of University offices, including the commission, President Graham B. Spanier, Public Information and Student Affairs.

"There was a shared response and a shared responsibility," she said. "It is critical that we have a community ownership of this problem. There is a responsibility for all of us to establish a caring community."

Other new projects planned for the fall include:

- With a CHOICES grant from the NCAA, the Department of Intercollegiate Athletics, Health Promotion and Education, Greek Life and the commission will develop a social marketing campaign to include public announcements and messages at sporting events. A peer mentoring group, involving athletes and other student leaders, will be established.

■ The commission will work with the Admissions Office to begin developing messages early as a means of offering a low-risk environment for new students.

"We want to emphasize that Penn State is not a party school because that party school reputation attracts high-risk students," Croll said. "Parents will be well educated on issues of alcohol and drug abuse. Through newsletters dealing with campus social issues, we'll emphasize to new students and their parents that President Spanier doesn't support a high-risk environment."

■ Expansion of the Life House concept this fall to floors in South Halls on the University Park campus. Students in Life House, currently established on floors in East Halls, pledge to be sub-

stance free and live in a drug-free environment.

"The expansion of the Life House concept is an important effort and speaks for itself," Croll added.

At a special crisis meeting last week, the commission viewed raw footage of news videotape of the riot from a local television station. Members appeared stunned by the destruction and havoc they saw on the tape.

Ironically, at its June meeting, the commission discussed possible strategies in light of riots that had occurred at other schools across the nation, including hosting student forums and fostering dialogue and communication

in an effort to avoid anything similar at Penn State.

"We now have it in our backyard and we can do something about it," said Maureen Gaffney, past chair of the commission. "We need to stay on track. We don't support students abusing alcohol."

"Also, we should remember that a majority of our students choose not to do this. The incident does give us an opportunity to continue what the commission has been doing and to reach out to encourage all other parts of the community to participate in the commission's work."

At the same time, Matson said the commission wanted to assure the public that there are standards in place for accountability by students and the University will follow that process.

Riot

continued from page 1

\$150,000 worth of property damage and injuries to 16 police officers.

Eight of the 11 men were bound over for trial on disorderly conduct or failure to disperse charges, while three had the charges against them dropped or dismissed. Arraignments for the eight are scheduled for Aug. 17. Two other men had their hearings postponed until today after new felony charges of rioting, assault and arson were filed against them. The charge of rioting carries a maximum sentence of seven years in prison.

University President Graham B. Spanier in a recent editorial said Penn State's Office of Judicial Affairs will deal firmly with those students found guilty of crimes associated with the riot. Of the 21 arrested, 11 were students.

Calling the riot "alcohol-fueled," Spanier said it was "extremely trou-

bling," personally, and pointed to the ongoing need to discuss what he has labeled the greatest challenge facing America's colleges: underage and binge drinking.

"At Penn State we are committed to doing everything in our power to reduce the glamour and attraction of heavy alcohol consumption," he said. "Perhaps recent events will serve as a wake-up call."

At the preliminary hearing, prosecutors showed a 20-minute police video of the riot, showing fires, people uprooting lampposts and shrubs, and damaging vehicles.

More charges could be added as police continue to study photographs and video of the incident. Police posted 11 photographs of suspected rioters on the Web at <http://www.gvs.state-college.pa.us> in an effort to identify them.

"The commission and the community do not accept this kind of behavior. Appropriate sanctions will be imposed by the Office of Judicial Affairs on students arrested and found guilty."

Noting that Penn State has an effective Alcohol Intervention Program, Croll said that for any alcohol or drug-related incidents, referrals are made to the program.

"Our goal is to work with students of high risk. They won't change without effective intervention. We hope to make a change before they become involved in a serious problem. Changing lives is a much better approach."

The Commission for the Prevention of Alcohol, Tobacco and Other Drug Abuse is made up of more than 40 members, including faculty, staff and students throughout the University system and representatives of a variety of campus and community organizations. It is an outgrowth of a task force established in 1984.

A Council for the Prevention of Alcohol, Tobacco and Other Drug Abuse was established in 1993. Commission status was granted in 1996 by William W. Asbury, vice president for student affairs.

Matson, who is administrative assistant in the Department of Meteorology, said that, during the last two years, the commission has been making an ongoing effort to restructure the environment and change the norm.

"Despite the black mark left by the July 12 disturbance, the commission and the University are committed to continuing a pro-active role in setting the tone for a low-risk environment."

At a Penn State/Pennsylvania Liquor Control Board (PLCB) "Partnership for Prevention" conference on the University Park campus earlier this year, participants developed campus-community teams to plan, create and implement strategies for collegiate alcohol problems prevention and intervention.

Anthropology museum has much to offer

A bone flute and war club from lowland South America, a goatskin-covered drum from Afghanistan, a life-size replica of a pole-and-thatch farmhouse of Mesoamerica, complete with hammock and dinner pot — these are examples of the many objects from other times and places that arrest your vision in Penn State's Matson Museum of Anthropology.

Now housed on the second floor of the Carpenter Building on the University Park campus, the Matson Museum has been in existence at various locations since the late 1960s. Frederick Matson, professor emeritus of anthropology and former dean of research, spearheaded efforts to establish the museum, and it is for him that the museum is named.

Offering a growing collection in three major areas — archaeology, cultural anthropology and biological anthropology — the museum works closely with anthropology faculty to support their research and

teaching, to provide many structured learning experiences for graduates and undergraduates, and to offer public outreach activities to the local community.

Boasting more than 13,000 artifacts, but only a small staff, the museum depends on the enthusiasm and work of both graduate and undergraduate students. All anthropology graduate students holding teaching assistantships work a mandated three hours a week at the museum. But the undergraduates are most in evidence on the museum floor.

Training undergraduates is a priority, said Claire Milner, half-time curator of the museum. The aim is to create programs that allow them to learn and do a little of everything — work that can provide an essential stepping stone to securing a spot in a graduate program or an internship at a larger museum.

For more information on the museum, check the Web at <http://jsol.la.psu.edu/anthro/museum.htm>.



Looking for history

Graduate student Janet Schulenberg (left) with Nyssa Eisenhuph and Sara Reed screen dirt in their search for artifacts during a recent archaeological dig in Miesburg, just northeast of the University Park campus. The dig was part of the University's first archaeology camp for teens and pre-teens. The camps, along with the Matson Museum on campus introduce youngsters to not only the science of archaeology, but to cultural anthropology and biological anthropology as well.

Photo: Greg Grieco

Penn Staters

Jeremy F. Plant, professor of public policy and administration at Penn State Harrisburg, has been voted chair-elect for the Section on Transportation Policy and Administration (STPA) of the American Society for Public Administration. Plant is a founding member of the section and has served on its executive council since its formation. He will succeed to the chair in 2000. Plant also was elected to the 12-person executive committee of the newly formed Section on Ethics of the American Society for Public Administration, which brings together practitioners, scholars and students interested in the appli-

cation of ethical principles and processes to the work of public administration.

John Pullin, associate professor of physics, has been appointed to the editorial board of a new physics journal titled *New Journal of Physics*. The journal is to be launched jointly by the Institute of Physics in England and the Deutsche Physikalische Gesellschaft in Germany.

The journal attempts to be a selective, high-quality journal covering all physics. It will be distributed free of charge via the Internet and will finance itself through publications charges.

James Ratcliff, director of the National Center for

Jordan Center

continued from page 1

ticket over the past year, claiming several attendance records (15,000-plus) in games against Purdue, Indiana and Northwestern.

"The people of central Pennsylvania have embraced this building and continue to support it, providing ticket sales that rival many larger markets," said Bob Howard, general manager of the Jordan Center. "This is the largest entertainment facility between Pittsburgh and Philadelphia and it's easy for the fans to route through here on their way to and from the Northeastern states."

Howard said employees often hear from touring groups that the Jordan Center is one of the cleanest facilities in the nation, and the design makes it easy for stage hands to set-up and tear down — two factors Howard believes add to the center's success. In addition, Howard said the Jordan Center's ticketing system provides many options and more opportunities for local support.

"The fact that it is not a national ticket company gives more opportunity to local people and less to the national ticket brokers, which is a problem in most larger markets," he said.

Jordan Center officials predict that attendance levels will stay about the same next year and they are being careful not to oversaturate the market.

JORDAN CENTER'S TOP 10 DRAWS

The top 10 attendance records for shows at the Jordan Center are:

1. Garth Brooks 75,370 (five shows).
2. U.S. Hot Rod Monster Jam, 38,226 (six shows).
3. World Wrestling Federation, 35,769 (five shows).
4. Reba McEntire, 27,360 (two shows).
5. Alan Jackson, 26,140 (two shows).
6. Sesame Street Live, 25,728 (nine shows).
7. Phish, 24,848 (two shows).
8. Royal Hanneford Circus, 23,291 (nine shows).
9. Lord of The Dance, 18,945 (two shows).
10. Rusted Root, 17,269 (two shows).

Source: The Bryce Jordan Center

Teaching, Learning and Assessment, gave the keynote address during the Outcomes Assessment Symposium held by the Commission on Higher Education of the Middle States Association of Colleges and Schools. Ratcliff spoke on the peer review process and accreditation.

Barbara Shannon, dean of the College of Health and Human Development and distinguished professor of nutrition, has been honored as a distinguished alumna by the Consumer and Family Sciences Alumni Association at Purdue University. This award recognizes Shannon's excellent service to her community and her significant contributions to programs which improve the quality of life for families and communities. Shannon earned her Ph.D. from Purdue.



LECTURES

Analysis of change topic of discussion

The Science Directorate of the American Psychological Association and Penn State are co-sponsoring a conference to examine state-of-the-art statistical methodology for measuring change over time in longitudinal social science research. "New Methods for the Analysis of Change" will be held Oct. 11-13, at The Penn State Conference Center Hotel, University Park.

This fall, the focus will be discussion of recent innovations in an accessible format. Topics will include indi-

vidual growth curve analysis, dealing with incomplete data, measurement issues in the study of change, nonlinear analysis and differential modeling of behavioral time series, and dynamic models for categorical and mixed data.

Expanded versions of the conference presentations will be published in an edited volume by the American Psychological Association.

For more information on the conference, visit the Web at <http://methcenter.psu.edu/newmethods.html>.

Poultry science gathering is expected to draw more than 1,000 scientists

More than 1,000 of the world's top poultry scientists will flock to Penn State for the 1998 Poultry Science Association Meeting, Aug. 1-5 at The Penn State Conference Center Hotel, University Park.

More than 400 scientific presentations are

expected at the meeting, covering nutrition, pathology, immunology, physiology, processing/products, genetics, extension/instruction and environment/management. Poster sessions and commercial exhibits also are scheduled.

Among the meeting's special presentations

will be a keynote address by the National Broiler Council's William Roenigk, who will speak on the "Economic Significance of the Poultry Muscle Foods Industry."

For more information, call William Weaver at (814) 865-3411.

Private Giving

Couple pledges \$250,000 in support of building projects

Penn State alumni Charles and Jane Brosius have committed \$250,000 to support University building projects at the Penn State Great Valley and University Park campuses. The couple directed \$190,000 to the expansion of the Great Valley campus and \$60,000 to the construction of a new food science building at University Park.

Charles Brosius is a 1952 graduate in dairy science, a past Penn State trustee, and served as Pennsylvania secretary of agriculture from 1995 to 1997. He retired in 1995 as owner/operator of Marlboro Mushrooms in West Grove, one of the largest suppliers of mushrooms to east coast markets. He serves as volunteer chair of the Penn State Great Valley campaign committee for the forthcoming University-wide capital campaign.

Jane Brosius is a 1952 graduate in home economics and works in the family business, Marlboro Mushrooms, which is now operated by the couple's three sons, Mahlon, Thomas and Harold—all Penn State alumni.

At Great Valley, the Brosiuses' gift will help in the planning and construction of a new classroom/conference facility—the Safeguard Scien-

tifics Building—scheduled for completion in 2000. The overall project will provide a 300-seat auditorium and classroom space for 600 additional graduate students at the campus, which was the first in the nation built in a corporate park.

At University Park, funds will be used to support construction of a new, state-of-the-art food science building that will replace Borland Laboratory, built in 1932. This building will be the new home of the Department of Food Science in the College of Agricultural Sciences and will house facilities including undergraduate student instructional laboratories, classrooms, research laboratories, and a cutting-edge pilot-scale processing facility. Construction will follow additional fund raising and the release of state funds.

Among other Penn State honors, Charles Brosius was named an Outstanding Alumnus in 1993 by the Department of Dairy and Animal Science and received an Alumni Fellow Award from the College of Agricultural Sciences in 1996. The Pennsylvania Farm Bureau recognized him with its Distinguished Service to Agriculture Award in 1997.

University is site of national symposium

A national symposium designed to examine how community contexts affect families, adolescents and children is scheduled for Nov. 5-6 at The Nittany Lion Inn on the University Park campus. The symposium is designed particularly for those who teach, conduct research or develop programs on the interface between community, family and the developing individual.

The sessions will be organized around four key issues: How do communities undergird or undermine development? How do neighborhoods enhance or interfere with families' abilities to raise children? How do neighborhoods affect the development of problem behavior in adolescence? What policies or programs can strengthen neighborhoods as settings

for child and adolescent development?

Four scholars will present the lead papers for each of the four sessions. An interdisciplinary team drawn from the fields of human development and family studies, demography, sociology, anthropology and criminology, as well as from the philanthropic foundation community will be on hand.

The symposium is one in an annual series of interdisciplinary family symposia held each fall at Penn State.

To obtain a brochure and registration materials, call, write or e-mail Kim Zimmerman, Population Research Institute, 601 Oswald Tower, University Park, Pa. 16802-6211; phone: (814) 865-0486; Fax: (814) 863-8342; e-mail: kzimmer@pop.psu.edu.



Reflective art

Emily Landis of State College arranges mirrors on the ground as part of a summer art workshop on the University Park campus. The workshop was run by senior art education students. The HUB also has art classes available. For information, call (814) 863-0611.

Photo: Greg Grieco

Faculty/Staff Alerts

Parking lot maintenance

The schedule for summer parking lot maintenance on the University Park campus follows. Employees should plan accordingly.

■ Orange G Pollock Dining Hall: Work began during the week of July 13; due to construction on Bigler Road, this lot was already off line for routine use. The completion date is set for Aug. 14.

■ Lot 80, section closest to Park Avenue: Off line through Aug. 14.

■ Orange G McElwain Dining Hall: This lot will be off line Aug. 3-14.

■ Brown J at Atherton Hall: Off line Aug. 10-14.

This schedule may vary with weather conditions.

Riot subject of radio show

State College Mayor Bill Welch and Chief of Police Tom King will join President Graham B. Spanier to discuss the aftermath of the July 12 riot on the next edition of "To the Best of My Knowledge," airing Monday, Aug. 3, at 7 p.m. on public radio station WPSU-FM (90.1, 91.5, 100.9 & 106.7). To reach the broadest possible audience, the program also will be simulcast on public TV station WPSX-TV, Channel 3 and the Internet.

Listeners and viewers with opinions on the cause and prevention of such incidents, appropriate penalties for participants and the long-term effects of the incident are encouraged to join the discussion by calling (800) 543-8242 during the one-hour broadcast. Internet users worldwide will be able to link to sound and pictures from the program at <http://www.psu.edu/ur/tech/tech.html>, and they can contact the presenter during the program via e-mail to response@psu.edu.

"To the Best of My Knowledge" is a series designed to explore topics of local and national concern and to allow listeners a chance to communicate directly with Penn State's president.

Ag Progress Days near

Just a reminder, Ag Progress Days will open Aug. 18 and run through Aug. 20.

Sponsored by the College of Agricultural Sciences, the event is held at



Popular venue

A group of children on a field trip to the University Park campus crowds around the Nittany Lion Shrine, one of the most popular sites on campus. The group stopped at the shrine before heading to another popular spot — the Creamery — for some ice cream.

Photo: Greg Grieco

the University's Russell E. Larson Agricultural Research Center at Rock Springs, near State College on Route 45. Admission and parking are free.

There will be free CATA bus service all three days of the exhibition. The shuttle departs from College and Allen streets (near the Corner Room restaurant) in downtown State College on the half-hour from 9:30 a.m. to 3:30 p.m. Aug. 18-20. On Aug. 19, when Ag Progress Days remains open until 8 p.m., there will be additional hourly departures from 4:30 to 6:30 p.m.

Departure times for the return trip are hourly from 10 a.m. to 4 p.m. Aug. 18-20, with hourly shuttles from 5 to 7 p.m. Aug. 19. Shuttle riders will be dropped off at Schlow Library.

For more information, call (800) PSU-1010 through Aug. 20 or visit the Web at <http://apd.cas.psu.edu/>.

Football to be televised

Already seven Penn State football games have been selected for television.

ABC Television, which airs the Big

Ten package, has chosen the Southern Mississippi, Ohio State, Purdue, Michigan and Michigan State games for its college football series. ESPN Regional will telecast the Nittany Lions' home contest against Bowling Green to a regional audience.

Previously, CBS Television announced its intention to present a national telecast of the Penn State game at Pittsburgh on Sept. 19. The game at Pitt Stadium will air at 3:30 p.m.

Kickoff times for the Southern Mississippi and Purdue regional telecasts will be 3:30 p.m. from Beaver Stadium. The Nittany Lions' games at Ohio State and at Michigan will both start at 12 p.m. and be televised nationally. The regular season finale against Michigan State will begin at 1 p.m. and the Bowling Green game begins at 12:05 p.m.

Travel Clinic hours

University Health Services has expanded its Travel Clinic hours. Located in Ritenour Building on the University Park campus, the clinic uses "Travax," a computer software program updated monthly with information from the Centers for Disease Control, the State Department and international travelers.

The clinic provides consultation, assessment and immunizations to international travelers. The services are available to Penn State students, faculty, staff and spouses. Travelers must participate in the information and counseling session before immunizations will be administered.

Travelers are seen by appointment only. If you are planning to travel, make your appointment as soon as your plans are set. Ideally, six weeks before your departure is helpful in completing immunizations that must be given over a period of weeks. Travel time that lasts more than three months may require two months of preparation.

For more information or to schedule an appointment, call (814) 863-9882.

Outreach

Wilkes-Barre works with firm on workforce training project

Penn State Wilkes-Barre and Offset Paperback Manufacturers Inc., a maker of paperback books and printed materials, have announced a major new workforce training and education partnership.

The partnership builds on a previous working relationship between the two entities. For more than 15 years, Penn State has provided a wide variety of training services to this private firm composed of 700 employees and located in Dallas, Pa. The firm has also used the team-building programs offered through the Penn State Shaver's Creek Environmental Center and the Team Decision Center in

The Penn Stater Conference Center Hotel at University Park. In this new partnership, Penn State Wilkes-Barre will coordinate comprehensive training and professional development services and resources for all Offset Paperback employees.

Through the agreement, Penn State Wilkes-Barre will appoint a University employee to manage Offset Paperback's education and training center and provide full-time leadership to address its workforce education needs. The education and training center was opened at the manufacturing site in 1996 to facilitate a variety of on-the-job training programs including plant safety, quality, print technology,

customer service, vendor-client relationships and computer training.

The campus plans to collaborate with the local Luzerne County Community College, the Northeast Pennsylvania Industrial Resource Center, and regional training providers as well. An education, training and development manager will be named in late August. The manager will be responsible for fostering a learning environment, identifying training needs, establishing goals and objectives, coordinating internal and external resources with Penn State and other training providers, and providing ongoing assessment and evaluation of programs.

Applications sought for associate dean post

Applications and nominations for associate/assistant dean for undergraduate education and executive director, Academic Advancement Programs are being accepted. The committee will consider applications after Aug. 17 and will continue until the position is filled. The position will be available on or after Sept. 1. The associate/assistant dean reports directly to the vice provost and dean for undergraduate education and is a senior member of the dean's leadership team.

A search and screening committee to identify candidates for the position has been appointed by John J. Cahir, vice provost and dean for undergraduate education.

The primary responsibility of the associate/assistant dean for undergraduate education and executive director will be to lead, promote and administer the University's Academic Advancement Programs (AAP), which consists of six of the federally funded TRIO programs (Educational Opportunity Center, Project Upward Bound, Regional Upward Bound Math and Science, Ronald E. McNair Post-Baccalaureate Achievement Program, Student Support Services, Talent Search Program) as well as three additional programs, funded at an annual rate of nearly \$3 million. This leadership position includes proposal and report preparation and supervision, preparation and monitoring of budgets, recruiting, superintending and providing for training and advancement of about 50 employees, under the general supervision of the vice provost and dean.

The incumbent is expected to be a senior adviser to the vice provost and dean and to exert significant influence toward advancing the University's major strategic objectives.

Undergraduate education associate dean to go to California State University-Long Beach

Howard E. Wray III, associate dean for undergraduate education, has resigned, effective Aug. 31, to become executive director of educational equity at California State University-Long Beach.

Since joining Penn State in 1989, Wray has supervised the Academic Assistance Programs (AAP), which include the Comprehensive Studies Program/Act 101, Educational Opportunity Program, College Assistance Migrant Program and all of the TRIO programs for low-income, first-generation college students and students from underrepresented racial/ethnic groups in higher education. Over the years, these programs have made a vast difference in the success rates of high school and college students.

Wray also has been responsible for the Educational

Opportunity Centers, Upward Bound and the Regional Upward Bound Math and Science centers, Student Support Services and Talent Search.

"Howard Wray has truly made a substantial mark during his tenure here," John J. Cahir, dean for undergraduate education, said. "Under his leadership, Penn State's Academic Assistance Programs have moved to the top rung of national leadership. More than 3,000 Penn State students each year are achieving their learning goals and realizing their hopes of earning a degree as part of his programs."

A graduate of Indiana University of Pennsylvania, Wray has an M.A. degree from IUP and a J.D. from Georgetown Law School.

tives. In particular, AAP has played a decisive role in promoting the University's goal of enhancing diversity in the student body and staff, and a new strategic plan develops this effort still further. This plan anticipates adapting the successful strategies employed in AAP to the wider University. Further, the University Planning Council has set a major initiative to reduce and ultimately eliminate the disparity in graduation rates between and among underrepresented and majority groups. The person sought will play an important role in those goals and in retention generally.

Candidates should have a background and experience in obtaining support for and administering externally funded programs or equivalent experience. Excellent communication skills, written and oral, also are essential, as is the potential to be an effective leader and team builder. Experience in working with diverse constituencies and/or agencies

designed to promote access and participation for underrepresented groups in higher education is required. Personal traits of high integrity, high energy, openness and understanding the value of diversity are expected. Some travel is required.

Desirable traits include experience with and interest in academic advising and retention, familiarity with strategic planning and budgeting, and experience and appreciation for the techniques and practices of continuous quality improvement.

Bruce Ellis, administrative director of undergraduate programs, will chair the search committee. Members include: Samuel Aufer, financial officer, undergraduate education; John Barnes, assistant director of student programs; Blannie Bowen, Rumberger Professor of agriculture and professor of agricultural and extension education;

Anna Griswold, assistant vice provost for student financial aid; Gail Kamon, Division of Undergraduate Studies programs coordinator, College of Engineering; Earl Merritt, coordinator of multicultural equity programs, College of the Liberal Arts; Joanne Nash, staff assistant, Student Support Services; Elisha Nixon, health educator, program specialist and Multicultural Resource Center counselor; Michael Radis, assistant director and academic coordinator, McNair Scholars Program; and Vivian Rosa, assistant director, Upward Bound Math and Science Center. Joseph Mattivi, human resources coordinator, and Judy Banker, staff assistant, McNair Scholars Program, will serve as staff.

A letter of application, a full curriculum vita and three letters of reference should be sent to: Joseph T. Mattivi, human resources coordinator, 1-A Old Main, Box IC, University Park, Pa. 16802.

Commonwealth College seeks director for Royer Center

The Commonwealth College is seeking nominations and applications for the position of director of the Jack P. Royer Center for Learning and Academic Technologies. The position will be vacant with the departure of Ann Deden, who is leaving to become vice chancellor for teaching, learning and technology and professor at Edith Cowan University, Perth, Australia.

The mission of the Royer Center is to promote innovation in teaching and learning, diverse approaches to student-centered learning, and to integrate technology into the learning environment for 17 campuses of the University — 12 within the Commonwealth College and five other campus college locations.

The director is responsible for:

- Leading the development and implementation of student-focused learning and teaching methods using technology and other instructional techniques.
- Working with faculty and administrators to ensure the diffusion of instructional innovations to all locations.
- Working with faculty, staff and academic administrators to establish the strategic direction, goals and objectives for the center.
- Leading and managing a staff of instructional designers, instructional programmers and technical support specialists (eight full time,

plus part-time workers and graduate assistants).

- Planning, conducting and assessing center initiatives and faculty development programs to support improved teaching and learning.

- Integrating center activities with other faculty development programs at the University.

- Seeking external funding.

The position requires a doctorate with successful teaching and administrative experience in higher education. Advanced training in instructional design or a related area, or equivalent knowledge and experience also is required. Experi-

ence in grant production, instructional software development, team management, consulting, needs assessment, K-12 linkages, adult education and training, program evaluation, and vendor relationship management is desirable.

Additional information on the Royer Center can be found at <http://www.clat.psu.edu>.

Applicants should send a cover letter, resume and the names, addresses and phone numbers of three references to: Kenneth Varcoe, associate dean for administration, 111 Old Main, University Park. Application review begins Aug. 28. Women and minorities are encouraged to apply.

Collaboration to form Center for Plasticulture

Scientists from the colleges of Agricultural Sciences and Earth and Mineral Sciences are collaborating with researchers from three other major universities to establish the Center for Plasticulture, which will fund and initiate research on the use of plastic films and other plastic products in agriculture.

"The use of plastic materials in agriculture has increased dramatically," said Michael Orzolek, professor of vegetable crops and director of the center. "Plastic products have allowed Pennsylvania farmers and producers to reduce pesticide use, extend the growing season for

certain crops, increase crop yields and harvest more efficiently."

Orzolek said the Center for Plasticulture will focus on three areas: developing technology for the use of plastics in agriculture; developing production guides and information related to specific crop applications; and research on recovering plastics for use as energy sources or recycled products.

In addition to scientists from the College of Agricultural Sciences, the center will include researchers from the Penn State Combustion Laboratory in the College of Earth and Mineral

Sciences, the University of New Hampshire, McGill University and Rutgers University.

Orzolek said the center will generate research and educational outreach programs centering on all types of plastics used in agriculture. Plastic agricultural materials include silage covers, hay bale wraps, greenhouse covers, plastic mulch, drip irrigation tape and tubing, row covers, nursery house coverings, plastic pots, and plastic containers and trays.

"The center also will work with food processors to study plastic packaging of agricultural products," Orzolek said.

Obituaries

Raymond H. Amalong, associate director of teacher placement, University Placement Service, from July 1, 1954, until his retirement Nov. 1, 1968; died May 18, at the age of 89.

Joseph L. Brown, associate professor of English, from Sept. 1, 1952, until his retirement July 1, 1971; died June 20. He was 92.

William H. Callahan, heating/ventilating foreman, from July 1, 1949, until his retirement April 1, 1971; died July 19. He was 90.

Genevra S. Fleagle, physician in University Health Services, from May 1, 1966, until her retirement May 1, 1982; died June 15. She was 76.

Grace H. Gates, food preparer in Housing and Food Services, from Sept. 28, 1966, until her retirement May 16, 1984; died June 18, at the age of 82.

William W. Hamilton, associate professor of speech in College of the Liberal Arts, from Nov. 1, 1945, until his retirement July 1, 1971; died July 6, at the age of 92.

Sara E. Hartswick, maid in Health Services, from Feb. 1, 1929, until her retirement Feb. 1, 1954; died May 26. She was 99.

Daniel C. Johnson, project manager for major construction in Office of the Physical Plant, from Jan. 1, 1967, until his retirement Jan. 1, 1992; died June 25. He was 68.

Marie Kepping, residence hall worker in Housing and Food Services, from Sept. 5, 1967, until her retirement April 12, 1980; died July 6, at the age of 80.

Paul C. Kersavage, assistant professor of wood in the College of Agricultural Sciences, from July 1, 1965, until his retirement Jan. 1, 1992; died June 20, at the age of 66.

Robert E. Lassman, supervisor, machine shop, Applied Research Laboratory, from Sept. 1, 1945, until his retirement Jan. 1, 1972; died June 16. He was 89.

Catherine V. McCloskey, secretary in the College of Earth and Mineral Sciences, from Nov. 3, 1952, until her retirement Oct. 1, 1974; died June 7, at the age of 86.

Hazel M. Minarik, residence hall worker in Housing and Food Services, from May 7, 1963, until her retirement March 3, 1981; died June 20. She was 79.

Doris V. Musheno, records clerk in Office of University Registrar, from July 25, 1966, until her retirement Oct. 1, 1983; died July 6. She was 76.

William C. Pelton, security assistant to the vice president for business in Office of Vice President for Business, from Feb. 1, 1961, until his retirement July 1, 1971; died July 4, at the age of 93.

Effie V. Peters, executive housekeeper in The Nittany Lion Inn, from May 6, 1931, until her retirement Feb. 1, 1977; died July 12. She was 90.

Larry D. Pritchard, janitorial worker in Office of Physical Plant, from Oct. 31, 1993, until his death June 8. He was 56.

Mildred Mae Tressler, food service worker in Housing and Food Services, from Oct. 24, 1958, until her retirement Aug. 9, 1986; died May 23. She was 81.

John B. Wasisko, professor of agriculture in the College of Agricultural Sciences, from Oct. 1, 1946, until his retirement July 1, 1977; died May 31, at the age of 86.

Harvey W. Wilson, janitorial worker in Office of the Physical Plant, from Oct. 12, 1964, until his retirement Nov. 1, 1974; died July 8, at the age of 88.

University Libraries' special collections head dies at age 68

Charles "Charley" W. Mann Jr., 68, of State College,



MANN

chief of the Department of Special Collections, Head of the Rare Books Room and professor of English and comparative literature, died of a heart attack in Baltimore on July 17. He is survived by his wife, Nancy, and a daughter, Molly Mann Ziegler of State College; a sister, Charlene Kuttruff of Hollidaysburg; and a granddaughter.

Mann joined the University Libraries in 1954 as a library assistant in the acquisitions department. In 1958, he became the first head of Penn State's Rare Books Room. At that time, the collection was so small, it was denied membership into the Association of Research Libraries. Mann was promoted to associate librarian in 1966 and earned the rank of librarian in 1972. Today, due to his leadership, the collection has national and international recognition.

He held the first Dorothy Foehr Huck Chair for Special Collections for the University Libraries in 1994 and also was an honorary Fellow of the Australian-New Zealand Studies Center for contributions to Australian-American relations.

In his four decades at Penn State, Mann built astonishing collections for the Libraries. He ele-

vated noteworthy pieces with the collections he created around them and took other more standard collections out of the ordinary with his vision, according to colleagues. Well-known as a specialist in rare books, he also was an authority on such subjects as bibliography, literature of the British Commonwealth, art history, emblem literature, utopian literature, the Great Exhibition of 1851, the history of photography, and the life and works of Ernest Hemingway and John O'Hara.

He was author, with the late Philip Young, of *The Hemingway Manuscripts: An Inventory* published by Penn State Press in 1969.

In 1974, he was named winner of the first award for outstanding contributions to the Libraries and, in 1980, became a Fellow of the Institute for the Arts and Humanities Studies. He received the McKay Donkin Award for Special Service to Faculty and Staff in 1981 and for many years, was a member of the editorial boards of the *Pittsburgh Series in Bibliography* and the *Dictionary of Literary Biography*.

Colleagues say he was a vibrant consummate "book man" who touched everyone he met with his kindness and knowledge. More than 300 people attended his graveside memorial service in Boalsburg on July 22.

Memorial contributions may be made to the University Libraries, Office of the Dean, E505 Pattee Library, Penn State, University park, Pa. 16802.

ARTS & ENTERTAINMENT

AT PENN STATE

Art on the Move exhibits

Art on the Move, a program that exhibits student art around the University Park campus, is featuring work in the Computer Building through Sept. 3 from the Digital Photography Studio. The Digital Photography Studio, which opened early this year, is a recent addition to the facilities available to visual arts students. Located in Mitchell Building, the studio is a collaborative project of the School of Visual Arts, Continuing and Distance Education, University Photographics, and several commercial enterprises.

In digital photography the image is preserved as a computer file rather than a negative, and the print comes from a computer printer rather than a chemical bath. One of the great advantages of digital photography is that the final image can be seen, evaluated and adjusted as it is shot. Students work collaboratively in groups of four to produce their images.

For more information about the studio and samples of student work, visit the Web at: <http://www.psu.edu/photography>.

■ A second Art on the Move exhibit can be found in Ritenour Building, where recent works by painter Marlee Erwin are on display through Sept. 10. Erwin, a resident of the Centre Region, paints oversize watercolor images of garden flowers.

■ Another exhibit is on display in the North Halls exhibit area in room 133, through Sept. 10. Paintings by Erin Bolger, a student working toward a bachelor of science degree in art education and a bachelor of fine arts degree in painting, challenge viewers to take a closer look.

Book Shelf

Mickey Bergstein, retired associate professor of marketing and the former "Voice of Penn State Football," has a new book titled *Penn State Sports Stories and More...*. The book is a collection of entertaining and insightful stories about unforgettable games, times and people from Bergstein's five decade connection with Penn State through radio broadcasting and teaching.

Anecdotes include those about the great athletes of Penn State, commanding personalities within "Happy Valley" and sports legends from Jesse Owens to Vince Lombardi. There are chapters about Bergstein's experiences as a marine and the Battle of Iwo Jima, the Great Upset of '64 and, of course, Coach Joe Paterno.

Chuck Burchard, instructor of computer science at Penn State Erie, has had his textbook, *Using C++: An Introduction to Programming*, published by PWS Inc., a division of International Thompson. The book was co-authored with Julien Hennessee of the Brooklyn College of the City University of New York.

The Rev. Merle U. Fox, former librarian at Penn State DuBois from 1969-1982 and a retired United Church of Christ minister, has recently published a book, *An Annotated Bibliography of the Works of Rev. Henry Harbaugh D.D.*

The book deals with the Rev. Henry Harbaugh (1817-1867), a pastor in the Reformed Church who taught theology in Mercersburg, Pa. In his parish work, he wrote family annals, translated important works and helped to found the Evangelical and Reformed Historical Society. Known as a poet of the Pennsylvania-Germans, Harbaugh was a hymn writer famous for his hymn "Jesus, I Live to Thee." Included in the book are essays on Harbaugh's life, character, basic theological principles, Reformed Church History and Mercersburg Theology.

The book is geared toward pastors and laity interested in religious history.



On display

Watercolor paintings by Marlee Erwin, including the one shown here, will be exhibited in Ritenour Building on the University Park campus through Sept. 10. The paintings are part of the University's Art on the Move program.

UNIVERSITY PARK CALENDAR

JULY 31 - AUGUST 13

SPECIAL EVENTS

Friday, July 31

Spend a Summer Day, various campus locations.
Rich Victor Quintet, contemporary pop, 7 to 8 p.m., Creamery.

Children of Eden by John Caird, 8 p.m., July 31; 2 and 8 p.m., Aug. 1, The Playhouse. For tickets, call (814) 863-0255.

Tuesday, August 4

■ Africarib, noon to 1 p.m., Fisher Plaza.

Thursday, August 6
Pearl and Ivory, Big Band/easy listening, noon to 1 p.m., Fisher Plaza.

Friday, August 7

Tamished Six, Dixieland jazz, 7 to 8 p.m., Creamery.

Saturday, August 8

Commencement, undergraduate, The Bryce Jordan Center.

Commencement, graduate, Eisenhower Auditorium.

Wednesday, August 12

The Boys From Syracuse, Aug. 12-14 and 18-22, The Playhouse. For additional information, call 466-7141.

CONFERENCES

Saturday, August 1

Pa. Council of Operating Room Nurses, The Nittany Lion Inn.

■ Foultry Science Association, The Penn State, through Aug. 5.

Monday, August 3

FastForward, The Penn State.

Water Workers Operators Association, The Nittany Lion Inn.

Tuesday, August 4

State 4-H Days, Findlay Commons, through Aug. 6.

Phi Kappa Phi Honor Society, The Nittany Lion Inn.

Thursday, August 6

Center for Minority Graduate Opportunities, The Nittany Lion Inn.

Governor's Institute for Math Educators, The Nittany Lion Inn.

Merrill Lynch, The Penn State.

North American Refractories Co., The Penn State.
Pa. Commission on Sentencing, The Penn State.

Friday, August 7

Ronald McNair Scholars Program, The Penn State.

Sunday, August 9

Vietnam Veterans of America, The Nittany Lion Inn.

Cope 1998, The Penn State.

Credit Union 1998, The Penn State.

Monday, August 10

ACDA Conference (Pa. American Choral Directors Association), The Nittany Lion Inn.

EXHIBITS

Computer Building

Art on the Move, Digital Photography Studio, through Sept. 3.

North Halls

Paintings by Erin Bolger, 133 North Halls, through Sept. 10.

Palmer Museum of Art

■ "Treasures of Decet: Archaeology and the Forger's Craft," through Aug. 16.

"Tim Rollins and K.O.S. — A Paper Retrospective," through Dec. 20.

■ "Musical Notes by Honoré Daumier: Prints from the Collection of Egon and Belle Gartenberg," through Dec. 13.

Ritenour Building

Art on the Move, watercolor paintings by Marlee Erwin, through Sept. 10.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at <http://cac.psu.edu/calendar/>

University helps create "Year 2000" survival guide

Pennsylvania has just produced a survival guide for small businesses, local governments, schools and other organizations coping with the "Year 2000" computer problem, and Penn State had a hand in the project.

Under the direction of Gov. Tom Ridge and in collaboration with Industry Canada, the project — led by Penn State — resulted in the *Executive Survival Guide for the Year 2000*. More than 33,000 of the guides were mailed this week to businesses and organizations across Pennsylvania.

The "millennium bug" or "Y2K," as this computer challenge is popularly known, is a result of how most computer programs record a year — usually by using a two-digit format that takes up less space. This system was designed decades ago and not with the millennium in mind. It assumed that all years fell within the 1900s, but in the year 2000, these systems will recognize "00" as the year 1900. If electronic records are invalidated or changed as a result of computer programs not being able to recognize the year 2000, the impact could be disastrous and wide-ranging.

Gov. Ridge said that Pennsylvania state agencies are ahead of schedule for correcting the problem by

Check the Web

The survival guide is available in print and on the World Wide Web.

Copies can be printed from the Pennsylvania home page at <http://www.state.pa.us> (see "Technology Initiatives"), or directly from the Office for Information Technology Web site at <http://www.oit.state.pa.us/>.

Year 2000 information is also available at the Canadian Web site: <http://www.can2k.com/>.

the end of this year. Penn State began solving the millennium dilemma a few years ago when it began admitting students who would graduate in the year 2000.

"This new guide will be a valuable tool to help other public and private sector groups safeguard their own computer resources," Ridge said.

For the project, funded by a grant from the state's Office of Administration/Office for Information Technology, Penn State Outreach and Cooperative Extension assembled a team of experts to develop a system to help executives understand

the nature of the challenge and develop a management process that would address it, according to Fred Loomis, project officer and director of administration, planning and information technology for Outreach and Cooperative Extension.

The *Executive Survival Guide for the Year 2000* is designed to help Pennsylvania government agencies and businesses, especially small and medium-sized companies, modify their computer programs to become compliant. Year 2000 training workshops are also available through Penn State Management Development Programs and Services.

This survival guide is part of a larger partnership project between Pennsylvania and Canada to promote joint technology projects that will benefit both regions. The partnership, announced this month, was stimulated by Gov. Ridge's 1996 visits to Canada. The guide is one of the first products developed through the partnership. Other informational materials planned to boost awareness of the millennium problem include a workbook, posters and a video.

For more information, or to request an *Executive Survival Guide for the Year 2000*, call (800) PSU-TODAY (800-778-8632).

IBM awards grant to University for Internet2

IBM is awarding research grants to Penn State and three other universities to support their work in developing leading-edge applications for the Internet2 environment. Internet2 is a collaborative effort by more than 120 U.S. research universities, working with federal agencies and industry leaders, to create a new superfast computer network.

The Penn State grant will support work on video-on-demand services.

The resources donated through these grants consist of hardware, software, switches and other network infrastructure components, as well as access to and collaboration with technological experts from IBM's research community.

The three other grants are going to Gallaudet University, for network-based applications for the hearing impaired, North Carolina State University, for the development of advanced networking technologies and applications, and Virginia Tech University, for its work on a statewide distribution system for educational and video information for K-12 schools.

As a project of the University Corporation for Advanced Internet Development (UCAID), Internet2 is bringing focus, energy and resources to the development of a new family of advanced applications to meet the emerging academic requirements in research, teaching and learning. Penn State is a leader in the development of the new network that is expected to be 10 times faster than the current Internet. For more information on the Internet2 grants, check the Web at <http://www.hied.ibm.com/Internet2>. For more information about Internet2, go to <http://www.internet2.edu/>.



Artist at work

Jennifer Stone, a high school student from New Jersey, paints a campus scene at the corner of Shortlidge and Pollock roads on the University Park campus. Stone is participating in the University's Summer Studies Program for high school students.

Photo: Greg Griefo

Penn State among top producers of partners in Big Six accounting firms

Penn State ranks eighth in the nation in the number of graduates who become partners in the Big Six accounting firms. The ranking is in the July issue of *Bowman's Accounting Report*, the accounting profession's independent newsletter of record.

Among the more than 800 colleges and universities where partners in the six top accounting firms

in the country received degrees, Penn State has produced 139 partners. The number of graduates who are partners in these leading firms is viewed as an indication of the strength of a university accounting program.

The Big Six accounting firms are: KPMG Peat Marwick, Ernst & Young, Deloitte & Touche,

Arthur Andersen and Pricewaterhouse Coopers. The Big Six firms are now five, since the July 1 merger of Coopers & Lybrand and Price Waterhouse. The report also ranked New York University first with 249 partners and the Wharton School at the University of Pennsylvania second with 233 partners.

LOOKING TOWARD THE FUTURE

Alumni Association prepares for 21st century

By MICHELLE CRAGLE
Alumni Association

Planning for the 21st century is a top priority for the Penn State Alumni Association. Part of the planning process involved rewriting its mission statement and revising its strategic plan — a plan that has now been shared widely with the rest of the University.

"The need to change came about because we have a far more diverse alumni body that expects more from us. We reorganized our staff and our functions so we could better address the changing needs of our alumni," Diane Ryan, executive director, said.

As part of this reorganization, in the fall of 1997, the Alumni Association came up with a new mission statement: To connect alumni to the University and to each other, to provide valued services to members and to support the University's mission of teaching, research and service. This statement sparked the new strategic plan.

In the past, the Alumni Association based its plan on functional areas, but with the new mission statement to guide it, the association has created a more integrated and encompassing strategic plan that gives each area, such as volunteer management

"We see ourselves as an integral part of the University and we exist to keep alumni connected to the University and to each other."

Diane Ryan
executive director
Penn State Alumni Association

and alumni publications, a role in carrying out the mission.

"We created a new mission statement and carved out four new goals," Ryan said. "The rest of the plan is built around these goals. We wanted the plan to be a working document. It is the road map for the new Alumni Association of tomorrow."

The plan contains strategies to provide lifelong service to alumni, to support the University's mission, to enhance a sense of unity among all Penn State alumni, to increase membership in the Alumni Association and to serve as a doorway to the University for alumni.

To determine its effectiveness, the association has developed measures that will indicate the success of its programs and services and point out where further changes are needed.

The association shared its strategic plan with partners throughout the University to enhance communication. The document was distributed to various University departments. In addition, it was shared with alumni volunteers and other Big Ten alumni associations.

"We want the rest of the University to understand us better, to know our goals and objectives," Ryan said. "We see ourselves as an integral part of the University and we exist to keep alumni connected to the University and to each other. Our alumni are a valuable resource to us and to the University because, among other things, they serve as mentors and information resources for our students."

For those who haven't seen the plan, a copy can be obtained from Suzanne Peterson at (814) 863-4921; or through e-mail at sdp7@psu.edu.

Founded in 1870, the Penn State Alumni Association has more than 140,000 members worldwide. It is the largest dues-paying alumni association in the country.

Promotions

Staff

Terry L. Achey, facilities administrative officer in College of Medicine.
Kent M. Becker, senior microcomputer consultant in Computer and Information Systems—Center for Academic Computing.

Beth J. Blew, graphic designer in Office of the Vice President for Research.

Rhonda Brown, manager, financial and administrative services in Computer and Information Systems—Telecommunications.

Madonna V. Brown, staff assistant IV at Penn State Shenango.

Kelly L. Byers, network support specialist in Student Affairs.

Ralph J. Caretti, senior technical specialist in Office of the Vice President for Research.

Vicki A. Condran, administrative assistant IV in College of Medicine.

Toni M. Dagen, staff assistant VII in Student Affairs.

April R. Martell, human resources coordinator I in Business Services.

Kathleen A. McCartney, college and alumni relations assistant in College of Agricultural Sciences.

Donna M. Gahan, office information specialist in Continuing and Distance Education.

Kathie C. Merrill, graphic artist in Continuing and Distance Education.

Kimberly A. Neely, associate director II in Division of Development and Alumni Relations.

Marcia S. Palmer, staff assistant VI in The Smear College of Business Administration.

Michelle L. Peiffer, research support associate in Office of the Vice President for Research.

Linda S. Poorman, staff assistant VI in College of Engineering.

Cathleen D. Romig, accounting aide in College of Engineering.

Suzanne Rowin, administrative assistant II in Division of Development and Alumni Relations.

Janice M. Schulman, program coordinator II in Office of the Vice President for Research.

Alane K. Seidel, research support associate in College of Medicine.

Cheryl A. Seybold, applications system analyst in Continuing and Distance Education.

Barbara B. Sherry, staff assistant VI in Continuing and Distance Education.

Jill M. Stahl, research support specialist in College of Medicine.

Jennifer Swartzentruber, research support technician II in College of Medicine.

Patti J. Vogt, staff assistant VI in Applied Research Laboratory.

Linda A. White, system training specialist at Penn State Great Valley.

David R. Wise, senior financial systems analyst in the Corporate Controller's office.

Ping Xin, senior technician—research in College of Medicine.

Technical Service

David D. Covel, operator mechanic in Office of Physical Plant.

David R. Foster, HVAC maintenance mechanic in Office of Physical Plant.

Martha Lansberry, maintenance worker—utility in Applied Research Laboratory.

Terry L. Long, lead electrician in Office of Physical Plant.

Linda L. Ritchey, campus bus driver in Business Services.

25-year Awards



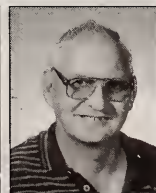
RICHARD AMMON



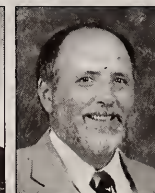
ROBERT SCOTT



DONNA HARPSTER



LA RUE NEVILLE



JOHN A. SALVIA



SHARON E. WILLIAMS

Observing 25 years of service at the University are, from left, Richard Ammon, associate professor of education, and Robert Scott, assistant professor of behavioral sciences, both at Penn State Harrisburg; Donna Harpster, staff assistant in Continuing Education and Training at Penn State Altoona; LaRue Neville, janitorial worker with the Office of Physical Plant, John A. Salvia, professor of education/special education in the Department of Educational and School Psychology and Special Education, College of Education; and Sharon E. Williams, staff assistant in architectural engineering in the College of Engineering. Also observing 25 years of service, but not pictured, are Roberta Miller, staff assistant in Housing and Food Services at Penn State Altoona, and Dennis A. Whitbred, refrigeration technician on the Office of Physical Plant.

Appointments

College of Medicine names holder of Evarts chair

Robert C. Aber has been named the Dr. C. McCollister and Nancy L. Evarts Professor of Medical Education in the College of Medicine.

The purpose of the Evarts chair in medical education is to provide a distinguished faculty member of the College of Medicine the opportunity to enhance scholarly excellence through contributions to advancing medical education.

The chair was established by a gift from Dr. Evarts and his wife, Nancy. Evarts is Penn State's senior vice president for health affairs and dean of the College of Medicine, as well as the president and chief academic officer for the Penn State Geisinger Health System.

Over the past 27 years, Aber has served in multiple roles as physician and teacher. Aber also is responsible for graduate medical education throughout the Penn State Geisinger Health System.

Aber is the senior associate dean for medical education at the College of Medicine. He previously held the posts of associate dean for medical education, associate dean for student and alumni affairs, and assistant dean for external relations and continuing medical education.

A graduate of Franklin and Marshall College, Aber was elected to membership in the Alpha Omega Alpha Honor Medical Society at the Stanford University School of Medicine, where he was awarded his M.D. degree.

In 1976, Aber came to Hershey as assistant professor of medicine. Over the next several years, he founded and developed the Division of Infectious Diseases and Epidemiology and was appointed vice chair of the Department of Medicine and director of the Internal Medicine Residency Program. He was named professor of medicine in 1986.

Aber has been elected to fellowship in the American College of Physicians and Infectious Disease Society of America and is a member of several medical organizations. This spring, Aber was selected as the 1998 recipient of the Cheston M. Berlin Award for service to the college.

New department head appointed in College of Agricultural Sciences

David Blandford, a division head with the Organization for Economic Cooperation and Development (OECD) in Washington, D.C., has been appointed head of the Department of Agricultural Economics and Rural Sociology in the College of Agricultural Sciences.

At OECD, Blandford was head of the trade and markets division of the directorate for food, agriculture and fisheries.

Blandford's accomplishments include research in support of the final phase of the General Agreement on Tariff and Trade, or GATT, and the presentation of workshops on agricultural marketing for "transitional" economies in Hungary and Poland. He has served as a consultant for the United Nations Development Program, the U.S. Agency for International Development and the U.S. Department of Agriculture.

Born in the United Kingdom, Blandford received his bachelor's degree in geography from Birmingham University in 1970. He received a master's degree in agricultural economics from Manchester University in 1972 and earned his doctorate from that institution in 1976. He worked at Manchester University and Salford University, both in the United Kingdom, from 1971 to 1975, and at Cornell University from 1975 to 1990.

Penn State Harrisburg welcomes director of sponsored research

Theodore S. Clements has been named director of sponsored research at Penn State Harrisburg. Clements was previously regional director of the Ben Franklin Technology Center of

South Central Pennsylvania, one of four centers funded by the Pennsylvania Department of Community and Economic Development.

The Office of Sponsored Research at Penn State Harrisburg is responsible for management of college grant and contract compliance and for supporting faculty in preparing and managing proposals for outside funding. The office also acts as an information resource for funding opportunities.

Clements was recently named to the North American Registry of *Who's Who Among Successful African Americans*. He is a graduate of Central State University in Ohio and holds a master's degree in public administration from Shippensburg University. He also attended the U.S. Army War College in Carlisle, Pa.



THEODORE S. CLEMENTS

Three staff members join Alumni Association

Three new staff members have come on board for the Alumni Association. They are Dan Genard, Susan Sokolak and Pam Williams.

Genard has been named a regional director for the Alumni Association and will work primarily with 1994 alumni chapters outside Pennsylvania. Part of his responsibilities will be to promote connections among alumni and among alumni and the University. He also will coordinate National Service Week, a program that encourages alumni to participate in community service projects throughout the country.

Before joining the Alumni Association, Genard was an admissions counselor at Penn State Fayette, where he coordinated alumni phone-a-thons and served as staff adviser to the campus's Lion Ambassadors. He holds a degree in psychology from Penn State.

Sokolak, a 1978 graduate of Penn State with a degree in anthropology, has been named director of membership. In this newly created position she is responsible for designing and implementing a comprehensive

membership program for the association. In addition, Sokolak is expected to increase market research that will guide decisions regarding membership programs and aid in the development of new strategies to increase membership. Her responsibilities also include coordinating the development, communication and promotion of member benefits and services.

Sokolak comes to the Alumni Association from the Children's Hospital of Philadelphia, where she served as director of marketing and physician services. Before joining the hospital, she was eastern region sales manager for HEC Marketing Communication Inc. and sales and marketing coordinator for Packard Press/Aztech Financial. In addition to her bachelor's degree, Sokolak also pursued studies in social anthropology at Temple University.

Williams has been named coordinator of FastStart, a program that helps minority students at University Park and Penn State McKeesport in their academic and employment searches by linking students with faculty members and alumni mentors.

As a social worker and therapist in Lansing, Mich., Williams helped abused and neglected children in foster care. She also has advised medical education students and has worked as a therapist for a number of private agencies. She and her husband were cofounders of the Ray of Hope teen club in State College and received the Martin Luther King Jr. Community Service Award in 1997.

Williams has a bachelor's degree in psychology from Baldwin Wallace College in Ohio and a master's in community psychology from Michigan State University.

Delaware County announces new alumni, public relations coordinator

Karl Grieb has been named alumni and public relations coordinator at Penn State Delaware County.

Grieb's duties include coordinating alumni events; serving as a liaison among the alumni and the University; coordinating special events facilitated by the Office of University Relations; and news writing for Penn State Delaware County's public information efforts.

Before accepting this position, Grieb was a campaign manager for the Leukemia Society of America. With the society, Grieb coordinated a variety of successful fund-raising events, including Pasta For Pennies and Team In Training, the signature event of the Leukemia Society.

Grieb also completed a public relations internship with the Philadelphia Eagles Football Club during the 1996 season.

Grieb earned his bachelor's degree in mass communications with a minor in German from Penn State in 1994.



PAM WILLIAMS



DAN GENARD



SUSAN SOKOLAK



KARL GRIEB

Awards

Shenango commends two outstanding teachers

Suguna Selvaraj, associate professor of mathematics at Penn State Shenango, was presented with this year's Penn State Shenango Teacher of the Year Award. She is the 15th recipient of this campus award, given based on recommendations from a panel of the nominee's peers.

Claudia M. Brown, instructor in psychology and women's studies, was presented with Penn State Shenango's Adjunct Teacher of the Year Award. She is the first recipient of this new campus award, which recognizes outstanding part-time faculty at the campus.

Selvaraj received both her bachelor's degree and master's degree from the University of Madras, India. After marrying in 1980, she moved to the United States a year later and received a second master's degree and a doctorate from Kent State University in Ohio. Her fields of special interest include summability and number theory.

Selvaraj came to Penn State Shenango in 1988 as an assistant professor of mathematics. She received tenure and was promoted to associate professor in 1994 — the same year that she became a citizen of the United

States. Selvaraj is co-adviser of the Shenango Student Chapter of the Mathematical Association of America.

In 1976, Brown received her bachelor of arts degree in English from Penn State, where she was an English honors student and graduated with high distinction. In 1981, she graduated with a master of science degree in education, guidance and counseling from Youngstown State University.

In addition to teaching psychology and women's studies at the Shenango campus, Brown will teach an upper-level course this fall in the new human

development and family studies baccalaureate degree program. Brown also teaches at Butler County Community College. She is part-owner of Blue Heron Enterprises, which offers personal growth and professional development workshops. Brown also was a professional psychotherapist for 14 years.

At the Shenango campus, she serves as social coordinator for the Penn State Shenango Honors Program. She is an editorial board member of the professional journal *Exceptional Human Experience Network Journal*.

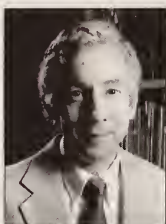
Chemistry professor is recognized as pioneer by national association

Stephen J. Benkovic, Evan Pugh professor of chemistry and holder of the Eberly family chair in chemistry, has been honored by the American Institute of Chemists with its Chemical Pioneer Award.

The award recognizes chemists and chemical engineers who have made outstanding contributions that have had a major impact on advances in chemical science and industry or the chemical profession.

Benkovic is known for his biotechnology research, especially his work on the mechanisms of enzyme reactions. He is perhaps best known for his quantitative analysis of how enzymes catalyze the chemical transformations of their substrates. His research has led to the development of a new generation of antifolates for cancer therapy, to an understanding of how HIV-1 virus develops mutations that contribute to its resistance to AIDS drugs, to insights into how the protein machinery for DNA replication is organized, and to the creation of catalytic antibodies for potential medical applications.

Benkovic earned a doctoral degree in organic



STEPHEN J. BENKOVIC

chemistry with minors in physical chemistry and biochemistry at Cornell University in 1963. He joined the Penn State faculty as an assistant professor of chemistry in 1965 and was promoted to associate professor in 1967 then to professor in 1970. The University honored him with the title of Evan Pugh professor in 1977, holder of the University chair in biological sciences in 1984 and holder of the Eberly family chair in chemistry in 1986.

Benkovic is the author or coauthor of more than 372 scientific papers, is a member of the editorial boards of several scientific journals and currently serves on numerous national advisory committees and boards of directors. In his career, he has been honored with various awards, including the Bicentennial Scientific Achievement Award of the City College of New York in 1990 and the Alfred Bader Award of the American Chemical Society in 1994.

For more information on Benkovic's research, check the Web at <http://www.chem.psu.edu/profs/benkovic.html>.

Smeal names winner of award for excellence

Mary S. Harris, assistant professor of accounting in The Smeal College of Business Administration, is the 1998 winner of the Lester L. Shonto Award for Excellence in Accounting Education.

Harris has been a member of the Smeal accounting faculty since 1993. Her teaching interests are in financial accounting and financial statement analysis; her research interests are in the empirical study of factors affecting managers' disclosure and the usefulness of financial accounting information to capital market participants.

Harris also is an ad hoc referee for *The Journal of Accounting Research*, *Accounting Horizons* and *Issues in Accounting Education*. She also is a member of the American Accounting Association and the American Institute of Certified Public Accountants.

The Shonto Award was created in memory of the late Lester L. Shonto, a 1966 accounting alumnus of Penn State, who went on to a successful career as a partner with the Big Six firm of Price Waterhouse.

Professor garners \$400,000 grant

Jay S. Patel, professor of physics and electrical engineering, has received a grant from the U.S. Defense Advanced Research Projects Agency for a research project titled "Fast Electro-Optic Devices for Next Generation Optical Cross Connects." Patel will receive \$400,000 for the two-and-a-half-year project, which will be part of the federal government's Next Generation Internet (NGI) initiative.

NGI is a multi-agency federal research and development program designed to advance networking technologies and develop new applications vastly superior to today's Internet. Penn State is a leader in the development of NGI, or Internet 2. University President Graham B. Spanier is a member of the board of trustees of the University Corporation for Advanced Internet Development, a formal organization to support Internet 2 members as they develop the broadband applications, engineering and network management tools for next generation Internet use in research and education.

Four from Delaware County honored

John Terrell, instructor in business at Penn State Delaware County, has received the 1998 Outstanding Teacher Award from Penn State Delaware County, and Jeannette Rieck, staff assistant in the office of academic affairs at the campus, is the recipient of the Penn State Delaware County Lion's P.A.W. award for 1998.

Since joining the Penn State Delaware County faculty in 1976, Terrell has received the Outstanding Teacher award in 1981 and 1994. This will be the last year he will receive the award. The award can only be given to the same faculty member three times.

Terrell received his MBA in finance and accounting from the Wharton Graduate Division at the University of Pennsylvania, and his B.A. in economics from Johns Hopkins University. He is actively involved in numerous campus organizations,

including the Student Life Committee, Service Corps and Student Activity Fee Committee, and is faculty adviser to the Student Government Association and the lacrosse club. Terrell also has been named chair of the Penn State Delaware County Faculty Senate for the 1998/99 academic year.

Rieck was honored for her dedication to the campus, her positive attitude and her willingness to help. The Lion's P.A.W. Award is given to Penn State Delaware County staff members in acknowledgment of their outstanding performance and achievement in the workplace.

In addition, Anthony DiGiantomasso and Leo McGlynn, employees in maintenance and operations at Penn State Delaware County, were awarded the campus's John D. Vairo Service Award. The award is given to Penn State Delaware County staff for exceptional service to the well-being of the campus.

Awards

Four Great Valley faculty members recognized

Four Penn State Great Valley faculty members were recently recognized for their outstanding contributions to the graduate center. The Outstanding Teacher Award was given to Premal Vora, assistant professor of finance; Outstanding Research, Roger Vergin, professor of business administration; and Outstanding Service, Martin Sharp, professor of special education. John Sosik, assistant professor of management and organization, received the newly endowed Arthur Glenn Faculty Award for Teaching Innovation.

Vora joined the Penn State Great Valley faculty in 1996 after four years of teaching at Kings' College. He teaches courses in corporate finance, investments and microeconomics. Vora is ad hoc reviewer of *Financial Counseling and Planning*. He also has presented at Midwest Finance Association meetings and the Academy of Finance Services meetings, where he received the McGraw Hill Award for best paper. Vora earned his Ph.D. from Penn State in finance.

A member of the Great Valley faculty since 1990, Vergin is the author of dozens of scholarly articles, books and book chapters on financial and management issues. His recent research focuses on corporate reputations and stock market performance, NFL



MARTIN SHARP



JOHN SOSIK



ROGER VERGIN



PREMAL VORA

point-spread statistics and inventory turnover in Fortune 500 companies. He has published in various professional journals and received his Ph.D. in business administration from the University of Minnesota.

Sharp has been a faculty member of the graduate school since 1974 and serves as the coordinator of instructional leadership, elementary education and supervisory certification programs. He assisted on projects with the Smithsonian School Program, the Winterthur Museum and the White House on issues of curriculum for diverse populations. This summer, he will present at the 1998 Lily Conference in

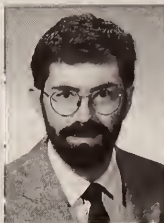
the U.K. on the distance learning network for mentoring college professors. Sharp earned his Ph.D. in curriculum and instruction from Penn State.

Sosik joined the Great Valley faculty in 1995 and has concentrated his research on transformational and charismatic leadership. His innovative teaching style employs team-based collaborative learning and advanced information technologies such as group-decision support systems, Internet-based development tools, CD-ROMs and computer-based interactive simulation in his classes. Sosik received his Ph.D. in management from SUNY-Binghamton.

Assistant professor to receive Sloan Fellowship

Paul E. Plassmann, assistant professor of computer science and engineering, is one of 100 outstanding young scientists and economists selected nationwide to receive 1998 Sloan Research Fellowships.

Nominated by department chairs and other senior scholars familiar with their talents, fellows are selected on the basis of their exceptional promise to contribute to the advancement of knowledge. Grants of \$35,000 for a two-year period are administered by each fellow's institution. More than 400 people were nominated for the awards this year.



PAUL E. PLASSMANN

Plassmann's research interests include scientific computing and numerical analysis, parallel algorithms for unstructured mesh computation, solution of sparse linear systems and nonlinear optimization problems, and interactive virtual environments.

Before coming to Penn State, Plassmann worked as a computer scientist at Argonne National Laboratory and as a research scientist at the Naval Research Center in China Lake, Calif.

Plassmann received a B.S. in physics from Reed College in Portland, Ore., an M.S. in mathematical physics from the University of Texas at Austin, and an M.S. and Ph.D. in applied mathematics from Cornell University.

Six cited by Development and Alumni Relations

Five awards were presented recently to employees of the Division of Development and Alumni Relations for their outstanding achievement. Those receiving an award include: Sue Powell, associate director of annual giving, Esprit de Corps Award; Denise Brooks, development assistant in the College of Education, Staff Achievement Award; and George Moellenbrock, director of corporate and foundation relations, and James A. Rhodes, director of estate planning and endowment, who both received the Mentor Award.

Two special awards were presented. The first Charles Lupton Volunteer Award went to Nicholas A. Pelick, retired founder and CEO of Supelco Inc. and chairman of the Eberly College of Science's Campaign Committee. The Ridge Riley Lion's Pride Award went to Jill Rhodes, development assistant at Penn State Great Valley.

This was the first time the Division of Development and Alumni Relations honored its staff in a divisionwide ceremony.

Associate athletic director in Hall of Fame

L. Budd Thalman, associate athletic director for communications, has been named to the College Sports Information Directors of America (CoSIDA) Hall of Fame.

A member of the Nittany Lions' athletic staff since 1986, Thalman was the leading vote-getter among the four CoSIDA members chosen to be inducted into the Hall of Fame.

Thalman's career in athletic communications spans 36 years. A native of Wheeling, W.Va., Thalman is a 1957 journalism graduate of West Virginia University. Before joining Penn State, he worked for

the Associated Press and served as a U.S. Army public information officer. In January 1962 Thalman joined the U.S. Naval Academy athletic staff as sports information director and in 1963 he provided assistance to the national media during Roger Staubach's Heisman Trophy-winning season.

In 1973, Thalman was named vice president for public relations with the NFL's Buffalo Bills. During his 13 years with the Bills, he worked on the NFL public relations staff at seven Super Bowls and twice served as the American Conference public relations director at the Pro Bowl.

DuBois assistant professor earns excellence award

Pingjuan Werner, assistant professor of engineering at Penn State DuBois, has been recognized by the College of Engineering with the P.S.E.S. Teaching Award for excellence in the classroom. The University-wide award recognizes outstanding full-time engineering faculty based on academic competence;

ability to inspire students; contributions to improvements in teaching tools and/or the teaching environment; and a demonstrated teaching effectiveness that substantially exceeds normal expectations.

A maximum of five Penn State engineering faculty earn this distinction annually.

Werner holds bachelor's, master's and doctoral degrees in electrical engineering. In addition to her duties instructing undergraduate students at Penn State DuBois, she serves on the graduate faculty in the College of Engineering, currently supervising several graduate students at University Park.

Partings

Evan Pugh professor has emeritus rank

Peter Gould, Evan Pugh professor of geography, has retired with emeritus rank after 35 years of service.

Gould is a leading human geographer of his generation, widely recognized as a pioneer of the 'new geography' of the 1960s and '70s which transformed the discipline through the application of mathematical and increasingly rigorous methodology. Gould's international reputation has been a significant contributing factor in the development of Penn State's Department of Geography into its current position of strength in American geography.

He is author of 17 books, some 160 scholarly papers and innumerable lectures delivered worldwide. He is well known for his early studies of spatial perception and spatial modeling, notably his 1974 book *Mental Maps*, coauthored with Rodney White, and his work in the Lund Studies in Geography.

The degree of *docteur honoris causa* was conferred on him by the Université Louis Pasteur, Strasbourg in 1982. He received the gold medal of the Prix International de Géographie, St. Dié, France in 1993; and in 1997 the Anders Retzius Gold Medal of the Swedish Society for Anthropology and Geography, conferred by the King of Sweden. He received the Faculty Scholar Medal for Outstanding Research Achievement from Penn State in 1981.

Gould came to Penn State in 1963 as assistant professor in the Department of Geography, following three years on the faculty of Syracuse University. He received his B.A. *summa cum laude* with high honors in geography from Colgate University, and M.A. and Ph.D. in geography from Northwestern University. At Penn State, he was named associate professor in 1964, professor in 1968 and Evan Pugh professor in 1986.

Beyond his doctoral studies of transportation in Ghana, he has conducted research in the field in numerous countries and spent sabbatical leaves at the Geographical Institute, Lund, Sweden, and the University of Grenoble, France. He has served as a member of the National Research Council Committees of Behavioral and Social Sciences and, from 1977 to 1980, was director of the Social Science Research Council, and subsequently a member of its corporation. He currently serves as an adviser to a number of journals. He is a member of Phi Beta Kappa, Amnesty International and Greenpeace.

Professor served since 1959

Henry S. Albinski, professor of political science and Australian and New Zealand studies, retired from the University on June 30. He came to Penn State in 1959 after completing his Ph.D. at the University of Minnesota. He had earned his B.A. degree, *summa cum laude*, and his M.A. at UCLA.

Albinski's career has focused on Australian politics, Australian external policy and Australian studies generally, as well as on New Zealand, Canada and the United States in Asia-Pacific context. A dual United States and Australian citizen, Albinski has published 15 books and major monographs and some 150 articles, book chapters and special reports. Various research projects have been supported by Fulbright, Rockefeller and other programs. In 1982 he founded Penn State's Australia-New Zealand Studies Center, the first such entity established in North America, and acted as its director until his retirement.

He has held consultant positions with the departments of State and Defense, and in Australia with the Australian National Maritime Museum, among others. In North America and Australia, Albinski has delivered invited testimony before legislative committees and has served on journal editorial boards, as well as a number of



HENRY S. ALBINSKI

commissions and advisory bodies dealing with international and Asian-Pacific studies. He has led many professional organizations, including serving time as the charter chair of the Australian Studies Association of North America and of the Middle Atlantic and New England Conference for Canadian Studies.

Albinski has lectured widely in the Asia-Pacific region and in North America, Europe and Africa. He has held visiting appointments at many universities, most recently at Curtin University, where he was an all-University Haydn Williams Fellow and the inaugural Fellow of the John Curtin International Institute.

At Penn State, he founded and chaired the University's Asia-Pacific Task Force, co-directed a multi-year research project on comparative constitutional studies with the University of Melbourne and served as president of the University's AAUP chapter. For a considerable time, he chaired the graduate program in political science.

He and his wife, Nan, will resettle and continue their careers in Australia. In 1999, he will begin an extended visiting professorship in the Department of Government at the University of Sydney, and an association with the Australian Centre for American Studies.

Six retire from Controller's Office

Six members of the Corporate Controller's Office recently retired, having a combined total of 189 years of service to the University.

David P. Andersen, financial officer in the Eberly College of Science, has retired after 33 years of service. He is a 1961 graduate of Penn State with a bachelor's degree in accounting. After working seven years for General Motors, Andersen returned to Penn State as a financial officer for the College of Engineering. In 1969, he assumed the position of financial officer for the Eberly College of Science, a position he held until his retirement. While financial officer, Andersen also assumed human resources responsibilities for the college.

Andersen plans to camp, hike and travel with his wife, Barbara, and enjoy his three children, all Penn State graduates.

Donna I. Eckley, a tagger in property inventory, has retired after 28 years of service. Eckley had been with the University full-time since 1971, first as a secretary in the food science department and then in a human resources position at the Applied Research Laboratory. She joined the Corporate Controller's Office in November 1977 as a tagger of University property.

In retirement, she said she is looking forward to enjoying the outdoors, especially flower gardening.

Donn E. Frazier, deputy controller, retired after 37 years of service. Frazier is a 1957 graduate of Penn State with a bachelor's degree in business administration and accounting. He came to the University in 1961 after serving in the Army.

He began his career as an accountant in the budget office and in 1963 was one of the first people to be named a financial officer assigned to a college, serving as financial officer in what is now the Eberly College of Science. In 1969, he became a systems analyst in Administrative Services and moved to The Hershey Medical Center in 1973 as director of the Medical Computer Center. He returned to University Park in 1977 as manager of research accounting until 1986. He was appointed assistant controller in 1991, and then deputy controller.

Frazier was involved in the creation and implementation of the University's Integrated Business Information System (IBIS) and also served on the Research Administrative Task Force.

In retirement Frazier said he wants to enjoy his family; wife, Mary Ann; daughter, Jackie; and son, Ken—all graduates of Penn State.

Thomas Kawa, financial officer for the College of Arts and Architecture, has retired after 28 years of service.

Kawa received his degree from DuBois Business School and before coming to Penn State in 1970, worked for Westinghouse Electric. After being named an accountant in Research Accounting at Penn State, Kawa was named assistant financial officer, and then financial officer for the College of Arts and Architecture in 1985, a position he held until retirement.

In retirement, Kawa said he wants to enjoy hunting, fishing and some traveling with his wife, Connie, and their two children, who are Penn State graduates.

William D. Miller, associate bursar, retired after 34 years of service.

Miller, a graduate of the Altoona School of Commerce in 1958, came to the University in 1963 as a member of the Research Accounting Office. He was promoted to accountant, assistant bursar and then associate bursar, a position he held for 15 years.

An avid swimmer, Miller said he wants to continue the sport, catch up on some reading and enjoy his four children, two of whom are Penn State graduates.

T. Dean Murray, manager of systems and procedures, has retired after 29 years of service. Murray is a 1961 graduate of Penn State and began his career with the University in 1969 as a procedures specialist in the systems and procedures department.

During his career, he held various positions within that department and in 1988 was named manager of systems and procedures, a position he maintained until his retirement in June.

Music's meaning goes far beyond the lyrics

By BILL CAMPBELL

Special to Intercom

As a communications professional, Jerry Zolten firmly believes that music can effectively communicate about culture.

"The kind of music that interests me is a product of everyday folks relating to their immediate circumstances that really reveals something about who and what they were," said Zolten, assistant professor of speech communication at Penn State Altoona. "Meaning in a piece of music goes well beyond the lyrics. It involves the aesthetics and the performers; the kinds of sound they use, and the tones that all work together to transmit information about what's important to those people in that place and time."

"For that reason, music of this sort can be a bridge between cultures, time and place."

Zolten's interest in music began with his father, who was as much into the Big Band music of the 1930s and '40s as he was with rock 'n' roll as a kid growing up in Pittsburgh. He doesn't use music directly in teaching communications studies, but has developed an American studies course, "The Cultural Roots of Rock 'n' Roll," that combines his perspectives in communication and American studies.

The course examines well-known artists such as Bessie Smith, T-Bone Walker (the first master of electric blues guitar) and Muddy Waters, among others, making use of Zolten's several-thousand record collection.

"I'm not into owning every record for nostalgia's sake," he said. "I try to find examples of important performers in essential genres of American folk music. I'm always keeping my eyes open and they turn up."

He said he has some records that are the only known copies in the world, including one in particular, a 1929 recording by a blues singer, Bumble Bee Slim (Amos Easton), which he discovered at a yard sale. With that find, he began a relationship with Document Records of Vienna, Austria, that led to his writing liner notes for their extensive series of recordings by black musicians. Liner notes outline what the listener



In addition to his communications courses, Jerry Zolten, assistant professor of speech communication at Penn State Altoona, teaches a course on the cultural roots of rock 'n' roll.

Photo: Greg Grieco

is hearing, enabling the listener to learn about the culture.

Zolten, who believes that black gospel music is the bedrock of rock 'n' roll and other forms of music, also wrote the liner notes for a series on black secular and sacred vocal groups and began collecting old 78-rpm gospel recordings, including those of the Fairfield Four, a group founded in 1921 in Nashville, Tenn.

"I knew nothing about them, but I found their records to be exciting,

brilliantly done and emotionally powerful."

At the 1983 National Folklife Festival in Washington, D.C., Zolten heard a six-member gospel group which turned out to be the Fairfield Four. A conversation with James Hill, point man for the group, led to a relationship in which Zolten has served since 1984 as the group's adviser, historian, producer and tour manager.

Zolten, who brought the group to

the Central Pennsylvania Festival of the Arts in State College in 1985, conducted intensive interviews with group members to determine how the Fairfield Four came to do what they did and, primarily, to discover how their music came to take the form it did — "an emotional, rhetorical, pleading a capella style."

Zolten felt the group had to be heard and the next step was to produce a recording. With the help of Tom Keiter and his assistant, Michael Knight, of Filmspace Communications in State College, a recording of the group was made at the Mt. Hope African American Baptist Church in Mount Union.

"We hoped the album would reignite the career of the Fairfield Four, which was one of the most famous African American gospel groups nationally in the '30s and '40s," Zolten said. "But, while we were shopping their record in Nashville, the group was invited by pop singer Amy Grant to perform at her birthday party. Jim Ed Norman, head of Warner Brothers, Nashville, heard them there and signed them on the spot. He wanted their debut album to be a controlled studio recording."

That album, "Standing in the Safety Zone," was nominated for a Grammy Award. A second recording, "I Couldn't Hear Nobody Pray," won a Grammy this year. The Mount Union recording, titled "Wrecking the House Live at Mt. Hope," the group's third album, was recently released worldwide by the Nashville-based Dead Reckoning label and is being distributed and promoted through Warner Brothers.

According to Zolten, the Fairfield Four, which is now a quintet, had, at one point, six members, including two lead singers, because of the physical demands of the a capella performance style. Since the group gained fame as the Fairfield Four, the name has remained.

Zolten's work with the Fairfield Four led to his being sought out by the Dixie Hummingbirds, a Philadelphia-based gospel group currently celebrating 70 years in the business. His primary work now is writing a book that tells the story of the rise of soul gospel music through the career of the Dixie Hummingbirds.

Astronomers make an important discovery using the Hubble telescope

A group of University Park astronomers has discovered expanding gas clouds thrown off by nuclear eruptions in novae stars. The gas clouds, called nova shells, provide ways of calculating reliable distances to these stars. Novae are variable stars that suddenly increase greatly in brightness and then return to their original appearance after a few years. The announcement was made by astronomers Fred Ringwald, Jerome A. Orosz, Richard A. Wade and Robin B. Ciardullo.

Thanks to Hubble's high resolution, the photographs of the nova shells are among the most detailed ever taken. The images, taken with Hubble's refurbished Wide-Field/Planetary Camera, are of two novae stars that had nuclear eruptions in 1984 and 1991.

The stars' names are QU Vulpeculae, in the constellation Vulpecula, and V351 Puppis, in the constellation Puppis.

Since it is known how fast the shells are

expanding and when the novae erupted, nova shells are useful milestones for calculating distances in space. Ringwald's team found that QU Vul is 18,300 light-years away, and V351 Pup is 14,800 light-years away.

"Nova shells provide unique laboratories in space, since they change over just a few years, not millennia as with other astronomical gas clouds," Ringwald said. "By studying nova shells, we can see the wonders of the universe unfold before our very eyes."

Research Park Phase 2 progresses; new sites open

Roads, street lights, landscaping and utilities are now complete in Phase 2 of Penn State's Research Park, and 12 additional acres on which tenants can build have now opened.

Phase 2 is being developed by PSRP Developers Inc., which also owns 101 Innovation Boulevard, a three-story, multi-tenant, mixed-use building scheduled to open in Phase 2 this fall. The building, started in September 1997, will be the first to be completed in Phase 2. Phase 1 of the Research Park has been fully occupied since October 1994.

"We are exactly on target with leasing the multi-tenant building and marketing is very active," said William C. Morlok, a PSRP Developers partner.

Currently, five organizations have signed leases for space in the multi-tenant building including Manpower Inc. of Allentown; Urish Popeck & Co.; Allegheny Hyperion Telecommunications; Gannett Fleming Inc.; and the U.S. Census Bureau.

The tenants scheduled to move into the building at 101 Innovation Boulevard represent a broad cross-section of organizations that complement the teaching, research and service activities of the University, according to Penn State officials.

Gannett Fleming Inc., for example, provides engineering and environmental consulting services. The Penn State Research Park office will serve as its Environmental Technology Center to facilitate technology transfer between University research and commercial applications. Some of the ongoing areas of transfer include technology in watershed management, passive wastewater treatments, ecological restoration, biosolids management and industrial waste minimization and reuse.

The multi-tenant building is currently about 75 percent leased and Art Heim, head of Penn State's Industrial Research Office and leader of park tenant development, said the building should be completely leased by early 1999. The completion of the infrastructure and utilities in Phase 2 should attract additional tenants, according to Heim.

Karen Dickinson, managing director of the Research Park, said Phase 2 has been designed for up to four buildings consisting of multi-tenant and single-tenant structures. Additional buildings can be built to the tenant's specifications.

Phase 1 of the Research Park includes the Technology Center Building, The Penn State Conference Center Hotel and the Materials Research Institute Building. The Technology Center houses the University's technology transfer administrative offices under the same roof with the Chamber of Business and Industry of Centre County and the chamber's small business incubator.

Children's World Learning Center of Golden, Colo., also operates Daybridge, a child care and educational facility at the Research Park. The 13,000-square-foot center is next to The Penn State Conference Center Hotel.

The PSRP Developers' development team for 101 Innovation Boulevard includes Bohlin Cywinski Jackson, architects; EDAM, landscape architecture; and Sweetland Engineering & Associates, civil engineers; and Alexander Constructors of Harrisburg, construction managers.

Besides Morlok, president of Morlok Development Group of Philadelphia, partners in PSRP Developers include Ira Lubert, managing director for two high-technology venture capital funds and president of IL Management Inc.; and Galen Dreibibis, State College businessman/real estate developer and president of G. Edwards Co.



101 Innovation Boulevard

The multi-tenant building at 101 Innovation Boulevard in Penn State's Research Park is nearly ready to be occupied. So far, five tenants have signed on — bringing the occupation of the building to about 75 percent. The building is expected to be fully leased by 1999.

Photo: Greg Grieco

For the Record

Due to a source error, the time frame for the appointment of Linda K. Trevino as head of the Department of Management and Organization in The Smeal College of Business Administration was incorrect. Trevino's appointment is for a three-year period.

Check the Web

Intercom is available online. To see this issue in its entirety or past issues dating back to Jan. 18, 1996, log in to <http://www.psu.edu/ur/INTERCOM/>.

PENN STATE



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Getting ready

Student Karen Norheim, a senior marketing major, hands text books to Heather Robb, another senior majoring in marketing, as they stock the shelves of the Bookstore at University Park in preparation for the return of students and the first day of classes on Aug. 28.

Photo: Greg Grieco

Program geared toward older students makes changing careers easier

By BILL CAMPBELL
Special to Intercom

If you want to learn something about a career change, you might talk to Jim Rogozinski.

After more than 15 years as a teacher and principal, he's on his way to becoming a dentist — thanks to Penn State's Post-Baccalaureate Premedical Program.

"My decision to change careers had nothing to do with not liking education," said Rogozinski, who received a B.S. degree in education in 1976 and a master's degree in educational psychology in 1978, both at Penn State.

"I was looking forward to a new challenge. I felt that if I tried it and it didn't work out, I could go back to education. I wasn't sure what I was

getting into and my first semester was the most difficult. But midway through the semester, I became confident that I could study with and compete with younger students."

He did so well on the Dental Admissions Test that he was admitted to the University of Pittsburgh Dental School while still in the post-baccalaureate program. "Being admitted on the condition that I complete the program was a great motivation for me."

The Post-Baccalaureate Premedical Program was established in 1995 as a cooperative effort of the Eberly College of Science and the Division of Continuing and Distance Education. It is designed for academically talented, highly motivated college graduates who don't have a science background,

See "Life changes" on page 5

\$1.6 million federal grant to aid first-generation students

Penn State just got a \$1.6 million boost from the U.S. Department of Education to continue its Talent Search program for the next four years.

At Penn State, Talent Search serves about 1,000 students in six western Pennsylvania school districts. Talent Search is a competitive, federally funded program that helps sixth- to 12th-grade students graduate from high school and enroll in some form of post-secondary education or training. At least two-thirds of the participants in a given year are

first-generation, college-bound students from low-income families.

Based at University Park, Talent Search draws on Penn State support from its McKeesport, New Kensington, Shenango and Beaver campuses and area school districts, and has on-site counselor/education specialists in the Alleghenies, Clairton, Duquesne, Farrell, New Kensington, Arnold and Sharon school districts. About 125 to 225 students in each school, who have been

See "Federal aid" on page 2

Plan for University Park looks at three areas in closer detail

By LISA M. ROSELLINI
Public Information

A detailed look at three areas on the University Park campus, as part of the master planning process, shows several options under consideration — including moving the Creamery, removing buildings and creating more open lawn areas.

As part of the campus's master

plan, consultants are now focusing on three specific or subcampus areas (see maps on page 4) in greater detail. The master plan is expected to guide development on campus over the next three decades and the areas chosen for review are those where the most growth is anticipated. All three areas are located near the core of campus and play critical roles in how the campus is perceived and functions. Dur-

ing a July 29 public discussion of the plans, the consulting team outlined three potential alternatives for each of the three subcampus areas. The areas include: the "Hammond block," the "agricultural block" and the "science block."

■ Hammond Block

This block, an 18-acre area rough-

ly bounded by Burrowes and Pollock roads, the mall and College Avenue, is home to the colleges of Engineering and Earth and Mineral Sciences. The block is dominated by the Hammond Building — which has long been considered a barrier separating the campus from town. The most significant changes proposed for this area would include the removal of up to one-third

See "Master plan" on page 4



The following information was gleaned from the internal publications of the institutions mentioned.

■ Wells Fargo has given \$1.1 million to develop a program at Arizona State University aimed at improving the understanding of Mexican-American culture. Wells Fargo is the first corporation to donate funds to the Hispanic studies program within ASU's Department of Chicana/Chicano Studies.

■ A task force in Virginia convened by the state's attorney general put the finishing touches on a report on alcohol abuse, that include recommendations that Virginia colleges and universities notify parents of their child's alcohol abuse; it also called for increased drunk driving penalties. The task force backed off from a plan to ban tailgate parties at sporting events. In a supportive gesture, leaders of six national fraternities signed a "Declaration of Independence from Alcohol" — a resolution to phase out alcohol from their houses nationwide by the year 2000. They still need to get the full support of all of their members. The fraternities include: Delta Sigma Phi, Phi Delta Theta, Phi Gamma Delta, Phi Kappa Sigma, Sigma Nu and Sigma Pi. For background on the task force, visit the Web at <http://www.state.va.us/~oag/main.htm>.

■ The University of Southern California recently announced a new campaign goal. Buoyed by major new gifts — including a \$17 million gift from an alumna — the Building on Excellence campaign has now set its sights on \$1.5 billion by 2000.

■ Donations to the Johns Hopkins Institutions have set a record for the third consecutive year. \$185.1 million was received by the university and the Johns Hopkins Hospital and Health System for the fiscal year that ended June 30.

■ Beginning July 1, Arizona State University employees who retire with at least 500 hours of accumulated sick leave receive a substantial cash payment, thanks to a new policy covering state employees that was passed by the Arizona State Legislature earlier this year.



Finding the right words

Joanne Sigmund, a junior majoring in museum studies, takes a break to write some poetry while sitting near the Palmer Museum of Art on the University Park campus. The recent warm weather has provided plenty of opportunities for outdoor activities.

Photo: Greg Grieco

Penn Staters

Dinesh Agrawal, professor of materials and director of the Microwave Processing and Engineering Center at the Materials Research Laboratory, presented invited talks at Plansee, Reutte (Austria), Harris Ireland, Dublin/Dundalk (Ireland) and Cambridge University (UK). His talks were on "Microwave Processing Research at MRL/PSU."

Eunice N. Askov, professor of education and head of the Department of Adult Education, Instructional Systems and Workforce Education and Development, has been named a distinguished fellow of The Flinders University's Institute of International Education, in Adelaide, Australia. The institute focuses on research, teaching and consultancy services in the field of international education.

Alex Aswad, professor of engineering at Penn State Harrisburg, has been awarded the 1998 Distinguished Educator Award by the Precast/Prestressed Concrete Institute. The award, presented annually, recognizes an engineering educator who has a broad knowledge of

First tenant for Knowledge Park at Erie to move in by January 1999

Knowledge Park at Penn State Erie has officially welcomed its first tenant, Aalborg Keystone Inc. The company is relocating from another location in Erie.

Aalborg Keystone, a division of the Danish firm Aalborg Industries Group, is expected to move to Knowledge Park by January 1999, and occupy 40,000 square feet in the first building. The high-tech research and development firm designs low- and high-pressure oil/gas-fired boilers and heat-recovery steam generators for power generation and industrial applications. Its move to Knowledge Park will create 20 new jobs in addition to its existing 111 positions.

Knowledge Park is a joint venture between Penn State Erie and the Greater Erie Industrial Development Corporation. The 51-acre park is designed to provide technology firms with facilities to conduct innovative research, technology transfer and manufacturing development. Plans call for Knowledge Park to expand to 200 acres adjacent to Penn State Erie over a 20-year period.

Search still on for associate v.p.

Applications and nominations are being accepted for associate vice president for research, who will serve as director of the Office of Strategic and Interdisciplinary Initiatives and will report to the vice president for research.

Review of resumes will begin on Sept. 1 and continue until the position is filled. Information on the position can be obtained by calling (814) 863-9580 or sending e-mail to vix2@psu.edu.

prestressed concrete bridges and buildings and who contributes to the advancement of the structural design profession through course development and original research.

Dan Carter, director of the School of Theatre Arts and artistic director of Pennsylvania Centre Stage, was elected to the six-person Commission on Accreditation for the National Association of Schools of Theatre.

Gabriela González, assistant professor of physics, presented two invited talks at the University of Glasgow in Scotland. The talks were titled "Brownian Motion in Interferometric Gravitational Wave Detectors" and "Feedback Control Systems in the LIGO (Laser Interferometer Gravitational-wave Observatory) Gravitational Wave Detector."

Richard Yahner, professor of wildlife conservation, received the Ernest Edwards Award from the Wilson Ornithological Society for outstanding research paper. His paper was titled "Long-Term Effects Dynamics of Bird Communities in a Managed Forest Landscape."

Commentary from President Graham B. Spanier

Students and alcohol: Time to change the formula

The alcohol-fueled disturbance that rocked State College on July 12 has brought a great deal of unfortunate and unflattering attention to Penn State's otherwise peaceful and picturesque home town. But it also has brought some much needed discussion on the topic of binge drinking among young people.

Penn State's Office of Judicial Affairs will deal firmly with those students found guilty of crimes associated with the riot, and the district attorney is pressing forward with criminal charges against the participants. But the more important task facing our University — and most other colleges and universities in America — is to find a way to change young people's attitudes about social and personal responsibility, civility and the consequences of drinking.

Two years ago, I began a campaign at Penn State to reduce excessive alcohol consumption by our students. I said then, and believe even more firmly now, that there is no challenge facing America's colleges that is greater than underage and binge drinking and the behaviors that surround it.

The magnitude of the problem is much greater than most people realize. Surveys have demonstrated that excessive alcohol consumption has become normative among America's college and university students. A survey conducted by the Harvard School of Public Health several years ago reported that nationally, 44 percent of all college students were binge drinkers, defined as consuming five or more drinks in a sitting for men and four or more drinks in a sitting for women during a two-week period. More recent studies confirm the scope of the problem.

About half of these binge drinkers, or about one in five students overall, were frequent binge drinkers, drinking heavily three or more times in two weeks. About two in five students drank without bingeing.

Only about one in six — 16 percent — were non-drinkers.

There are unmistakable consequences of such behavioral patterns. Among the Harvard study respondents, frequent binge drinkers were 25 times more likely than non-binge drinkers to report having had five or more problems such as doing something they regretted, missing a class, forgetting where they were, getting behind in school work, arguing with friends, engaging in unplanned sexual activity, getting hurt, damaging property and so on.

Many students reported experiencing problems due to other students' drinking: more than 40 percent said they had to babysit a drunken student or had their studying or sleep interrupted. More than a fourth said they'd been insulted or humiliated. About one-fifth said they'd had a serious argument or experienced an unwanted sexual advance.

While only a fraction of 1 percent of the Harvard study respondents considered themselves to be problem drinkers, 39 percent said they drink to get drunk.

These are the overall characteristics found at colleges and universities nationwide.

To address the student alcohol problem at Penn State, we have been working with student govern-



Frankly speaking

University President Graham B. Spanier (left) talks candidly with Tom King (center), State College Borough chief of police, and Bill Welch, borough mayor, during an Aug. 3 radio show about the July 12 riot in downtown State College. The show was also simulcast on public TV station WPSX-TV and the Internet.

Photo: Greg Grieco

University still responding

One month after thousands of people rioted in the streets of downtown State College, officials are still trying to answer the question of how such a destructive melee could have occurred. Fueled by alcohol, the crowd on Beaver Avenue caused more than \$150,000 in property damage and injuries to 16 police officers. Twenty-one people have been arrested in connection with the riot.

As part of the effort to keep the public informed, the University in the days following the July 12 riot posted several related stories to the Web, such as alcohol prevention efforts, background information and comments from President Graham B. Spanier. Since that time, nearly 30,000 pages of Web material have been downloaded. In addition, President Spanier has received more than 400 e-mail messages on the topic and continues to answer senders' concerns. The Web site can be found at <http://www.psu.edu/ur/news/alcohol/oped.html>.

ment leaders to provide attractive and constructive alternatives to social events centered on acohol. One step was to open the HUB at University Park 24 hours a day with expanded late-night programming on the weekends. This initiative has been an overwhelming success. The program began approximately two years ago and now attracts as many as 2,000 students each weekend. Plans are under way to increase those numbers when the fall semester begins.

I am proud to say Penn State's Interfraternity Council is providing outstanding leadership on alcohol issues. Working with our local chapters, IFC has implemented a number of policy changes that promote academics and de-emphasize the use of alcohol. Several fraternities have announced, and others are considering, plans to be alcohol-free by the year 2000.

Efforts to raise awareness of alcohol issues come from a wide variety of sources including the staff in our Office of Health Promotion and Education and posters and fliers in the residence halls. In cooperation with Intercollegiate Athletics, alcohol education messages have been delivered on scoreboards in Beaver Stadium and the Jordan Center.

Among our students who report hearing a message about alcohol last year, 28 percent said they heard one from the faculty. This is wonderful evidence that Penn State professors are truly committed to the welfare of their students.

The Offices of Judicial Affairs, Health Promotion and Education, and Residence Life are working with local police and district justices to coordinate interdiction and intervention efforts of our campuses and communities. The Moderation Management Program at Penn State Erie is one such program.

Penn State campuses around the state are involved in a variety of programming efforts. Penn State Erie and Penn State Hazleton, for example, have joined University Park in establishing a Life House in their residence halls. These substance-free dorms for students are proving tremendously popular.

Leadership for many of these efforts at all Penn State locations is provided by the Commission for the Prevention of Alcohol, Tobacco and Other Drug Abuse, composed of faculty, staff and students from across the University.

We also are involved in a partnership I have great hopes for with the Pennsylvania Liquor Control Board. The focus is on prevention, education and intervention.

It would be naive and simplistic to assume that we could ever totally eliminate drinking by college students. My objective is not to eliminate alcohol but to change the norms of behavior at Penn State from excessive and underage drinking to new norms of academic and social responsibility. We want our students to engage fully in their studies. We also want them to have healthy social and recreational opportunities. We want a civil and caring community at Penn State as well.

Many of those arrested for the July 12 riot were not Penn State students, but the fact that any students were involved was extremely troubling to me personally and was a source of great disappointment to everyone in the Penn State community. At Penn State, we are committed to doing everything in our power to reduce the glamour and attraction of heavy alcohol consumption. Perhaps recent events will serve as a wake-up call.

It is my hope that parents and civic leaders across the Commonwealth will join with us to better educate students about the dangers of binge drinking and to work to create new alternatives — and new attitudes — about social responsibility.

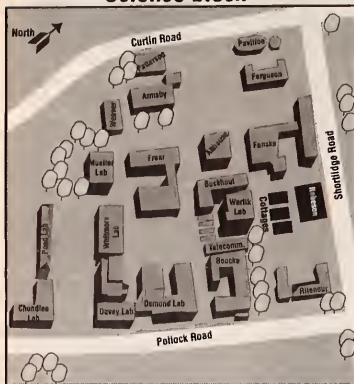
Master plan

continued from page 1

of the Hammond Building at Fraser Street; the removal of engineering buildings A, B, C, D and E; the construction of the Alumni Center in the rear of the existing University House; and the demolition of the north and south wings of Sackett Building. The loss of space because of these removals could be made up in future building zones identified by the consultants. These include a "T-shaped" addition to the East Electrical Engineering Building, a new addition to the northside of the West Electrical Engineering Building and a new facility along the backside of Hammond.

Consultants envision opening up the "tunnel-like" area of the Hammond Building at Fraser Street

Science block



Intercom graphic: Annemarie Mozzit

where pedestrians currently walk underneath a portion of Hammond by making it wider than it is currently. This opening would allow pedestrians to see the new Alumni Center, the former presidents' house (University House) and a garden area.

Although earlier planning discussions proposed moving some engineering classrooms to the 53-acre West Campus (across North Atherton Street), that idea has been scaled back because of concern about increasing pedestrian movement across Atherton.

■ Agricultural Block

The option preferred for the 21-acre agricultural block, bounded by Park Avenue, Shortridge, Curtin and Bigler roads (including Lot 80), incorporates a large green space along Park Avenue (about 10-acres between Shortridge and Bigler). The open space would tie in with the proposed 360-acre arboretum directly across the street. Improving the appearance of the proposed main campus entrance off Park Avenue on Shortridge Road, which is currently dominated by a service entrance to North Halls, also was mentioned for this block, as well as adding wings to Mitchell Building and constructing a 1,000-car parking deck with the potential for putting greenhouses on its roof.

Also being considered is the shifting of the University Creamery a block from its current location on Curtin (near Shortridge), eastward toward Bigler Road so that it could be incorporated within the new food science building planned for this area. In

all, seven possible future building zones which result in 638,000 square feet of additional space have been identified for this block.

■ Science Block

The science block, a 24-acre stretch containing a number of buildings such as Mueller, Pond, Buckhout, Osmond and Fenske, is roughly bounded by Shortridge, Pollock and Curtin roads and Pond Lab. The option most preferred by campus groups included removing a portion of Osmond Laboratory and converting the parking lots behind Whitmore Lab into a large open space facing the Hetzel Union Building, which would link the HUB with Ag Hill. The demolition of the existing Paul Robeson Cultural Center, which is being replaced as part of the HUB construction project, opens up the possibility of adding buildings to this area with a net increase in capacity of 261,000 square feet.

In addition, planners recommended that the three historic cottages (Pine, Birch and Spruce) found in this block be removed or relocated (if feasible) to an area near the Centre Furnace Mansion or a historic district in town. The historic facade of Ritenour Building also should receive a facelift.

"There are a wide range of options and this is just the first cut," said Dick Risternik, a planner with Johnson, Johnson & Roy — the lead consultants hired to update the master plan. "We are after the community's broad reactions to what has so far been proposed. I don't think any of these options is perfect and this is certainly a dynamic process."

This is the sixth open meeting the consulting team has held. In the near future, the University also will begin a transportation demand management analysis, that will look at transportation issues involving bikes, buses, parking and parking fees, among other things.

The consultants will be back on campus during the second week of October with a refined version of the three sub-campus plans. A final report on the entire master plan is expected to be presented sometime in early 1999.

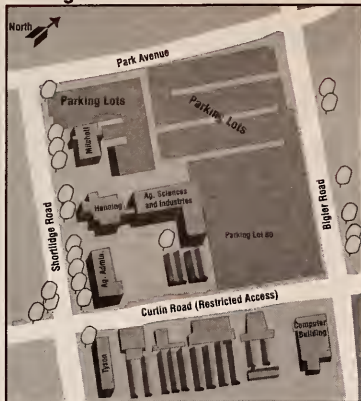
WHY A MORE DETAILED LOOK?

The following needs for each of the three sub-campus areas have been identified as reasons more detailed plans are warranted:

HAMMOND BLOCK:

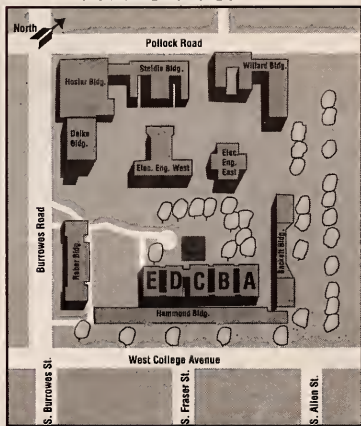
- 1) To mitigate the adverse impact of Hammond Building as a wall along College Avenue
- 2) To strengthen the north/south link between town and campus
- 3) To integrate new Alumni Center
- 4) To define future building sites

Agricultural Sciences block



Intercom graphic: Annemarie Mozzit

Hammond block



Intercom graphic: Annemarie Mozzit

Ag Block:

- 1) To create a visual tie with the proposed arboretum
- 2) To provide new academic building sites
- 3) To alleviate parking needs

SCIENCE BLOCK

- 1) To create new development opportunities, particularly for the chemistry department
- 2) To respect the differences between Ag Hill buildings and the science buildings (which tend to be more industrial looking and several stories high)
- 3) To upgrade and prioritize pedestrian routes in this area; currently, walkways are maze-like
- 4) To redefine and connect open spaces

Life changes

continued from page 1

but want to prepare for admission to medical, dental, optometry, podiatry, veterinary, physical therapy or allied health schools.

Students in the program can learn what they need to know to take the next step in their chosen field in as little as 15 months, depending on the schedule they choose. They may enroll as either a full-time or part-time student and attend either regular daytime or evening classes.

Of 14 recent graduates of the program, 13 have been admitted to health professional schools and one is on a waiting list for medical school.

"An almost 100 percent placement rate signifies that the program is successful," said Mildred Rodriguez, program coordinator. "That success can be attributed to the students themselves."

Since its inception, the program has attracted students with a wide range of undergraduate backgrounds, including pre-law, music, psychology, parks and recreation, finance, political science, engineering, nursing, dance and classics.

Franklin Berkey, a 1994 Penn State graduate, was headed toward a career in communications after joining the College of Communications as publications coordinator and writer-editor in 1995. Berkey, who as an undergraduate worked as an emergency medical technician, took one of the required courses in the post-baccalaureate program and then decided to enroll full-time.

"After graduating from Penn State, I began to realize I had a greater interest in medicine and wanted to make it my full-time interest rather than part-time," Berkey said.

Berkey, who will begin classes this month at the Philadelphia College of Osteopathic Medicine, plans to focus on primary and family care and hopes to open a rural practice in the State College area.

Penn State's program consists of 38 credits of prerequisite science courses—general chemistry, general chemistry, physics and organic chemistry, all including labs—that can be completed in two semesters and two summer sessions, or in four semesters.

Also available are courses in medical ethics, health policy administration, biochemistry, physiology, immunology, anatomy, and small seminar classes in consequences of science and in medicine and society.

"The program has generated a lot of interest and there is a need for it," Rodriguez said. "A growing number of people are considering a career change. And the health professional schools are accepting more non-traditional students. Students who change careers to come into medicine are more mature and tend to be more motivated."

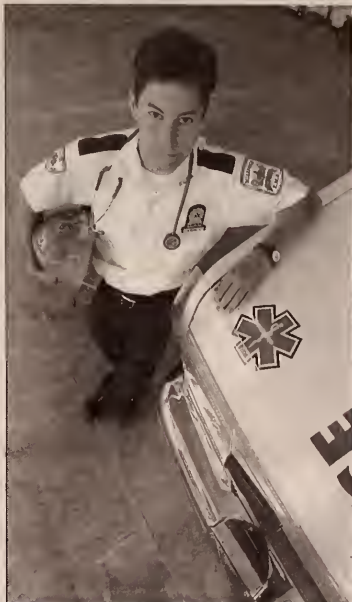
Jennifer Shaulinski, a 1995 Penn State graduate with a B.A. from the College of Arts and Architecture, had planned a career as a medical illustrator before making a change.

"I knew that I needed a master's degree to pursue a career in that field," she said. "While I was preparing to apply to graduate school, I started volunteering at the University of Rochester's Strong Memorial Hospital and began working in the emergency department. I then made my decision to go into medicine and enrolled in the post-baccalaureate program."

Shaulinski, who completed the program with a 4.0 grade point average, was accepted by three medical schools and began classes Aug. 10 at the University of Rochester.

"I found the program to be very book-intensive in a very short time period," Berkey said. "But the program coordinators were very helpful, providing advising and academic support to help make you successful. It was difficult for me to make a career change, but I'm looking forward to medical school."

"I would give a high recommendation to the post-baccalaureate program for anyone wanting to change careers," added Rogozinski, who is now in his second year of dental school. "It certainly worked for me."



Career advancement

Franklin Berkey, a 1994 Penn State graduate, is now enrolled in the University's Post-Baccalaureate Premedical Program, designed for academically talented, highly motivated college graduates who don't have a science background. Berkey, whose degree is in communications, is now enrolled in the Philadelphia College of Osteopathic Medicine. After working as an emergency medical technician, he discovered the medical profession was more to his liking.

Photo: Greg Grieco

25-year Awards



TERENCE BROWN



GERRY DOROBISH



LOUIS P. KRAUS



ARTHUR C. MILLER



RAYMOND W. REGAN



TERRIL R. STILES

Observing 25 years of service at the University are, from left to right, Terence Brown, associate professor of marketing and transportation, Penn State Harrisburg; Gerry Dorobish, reference librarian at Penn State Fayette; Louis P. Kraus, advanced engineering aide with the Systems Engineering Department in the Applied Research Laboratory; Arthur C. Miller, professor of civil engineering, and Raymond W. Regan, professor of civil engineering, both in the College of Engineering; and Terril R. Stiles, lead utilities analyst, Office of Physical Plant.

Federal aid

continued from page 1

identified as having the potential to complete post-secondary education or training, are enrolled.

Teresa Tassotti, Talent Search program director, said that since the program began in 1991, 99 percent of the participants have graduated from secondary school and 79 percent have enrolled in post-secondary education. The state and national average for high school students continuing into post-secondary education is around 60 percent.

"The most popular part of the program is taking stu-

dents to colleges, universities and other institutions in the area so they can imagine what it would be like to be there," said Tassotti. "It's a great motivator, especially for the middle school students, many of whom have never been to a college campus or advanced training school."

Talent Search is one of the six federally funded TRIO programs administered at Penn State. TRIO is the name of a group of programs established by Congress in the mid-1960s to help disadvantaged students.



LECTURES

Short course covers beekeeping basics

To help current and prospective beekeepers keep their hives healthy and productive, Mid-Atlantic Apiculture — a five-state consortium administered by the Department of Entomology — is sponsoring a short course titled "The Changing Fundamentals of Beekeeping," Aug. 28-30. The course will be held at State College, with laboratory and field sessions at various locations around the University Park campus.

The course will cover the basics of keeping bees for the production of honey while focusing on the control of diseases and mites. It is open to all beekeepers, as well as those interested in becoming beekeepers.

A registration fee of \$90 includes all conference sessions, parking and a reception. Registrations received after Aug. 14 are \$100. One-day registration is \$50. Walk-in registrations will be accepted as space allows.

For more information, call the Office of Conferences and Short Courses at (814) 865-8301.

Lecture series begins with look at hate crimes

The Pennsylvania State Data Center's fall lecture series begins Sept. 24 with a discussion on hate crimes in Pennsylvania. Other topics include population shifts in Northeast Pennsylvania and population and economic trends in Southeast Pennsylvania.

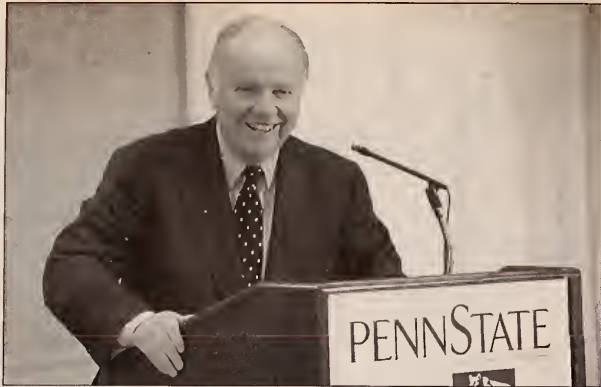
The noon lectures are free to the public at the Penn State Downtown Center, 234 N. Third St., Harrisburg.

The series kicks off on Sept. 24 with "The State of Hate in Pennsylvania ... Why Here? Why Now?" by Ann Van Dyke of the Pennsylvania Human Relations Commission. Van Dyke will discuss the reasons hate group membership and activity is increasing in Pennsylvania; how hate groups recruit and use religion to justify bigotry; the goals, philosophies and strategies of the primary hate groups impacting Pennsylvania; Pennsylvania's laws; what we learn from hate crime statistics; what the state police ask of communities dealing with hate groups; and the positive short and long-term actions that have worked successfully.

On Oct. 1, Joel Fontane Jr., regional economist for the Delaware Valley Regional Planning Commission, will discuss "Evolution and Transitions in Southeast Pennsylvania." The discussion will touch on population and employment trends for Southeast Pennsylvania and possible scenarios for the future.

The series concludes Nov. 12 with a panel discussion on "Population Shifts in Pike and Monroe Counties — Three Perspectives." John Woodling, director of planning of the Monroe County Planning Commission; Don Vizi, executive director of the Pocono Mountains Chamber of Commerce; and Larry Sebring, superintendent of Stroud Township, Monroe County, will discuss why this region has the highest population growth rate in Pennsylvania and how the tremendous growth is affecting the region as a whole and particular local governments and governmental services.

Pre-registration for the presentations is requested. To register, call (717) 948-6464.



Longstanding leadership

William Schreyer, a member of the University's Board of Trustees since 1986, retired from the board as of Aug. 1.

Photo: Greg Grieco

Schreyer retires from board

William Schreyer, fund-raising leader and one of Penn State's most visible and effective advocates, has retired from the University's Board of Trustees to spend more time with his family. His departure became effective Aug. 1, although Schreyer said he plans to remain involved with the University.

Schreyer's term on the board was to run until June 30, 1999. Ted Junker, chairman of the Board of Trustees, will appoint a trustee to complete Schreyer's unexpired term. The next regularly scheduled trustee election will be held in May 1999.

Schreyer, former head of Merrill Lynch and Co. Inc., first joined the board in 1986 and was chairman from 1993 to 1995. He also has served the University as a member of the Alumni Council from 1980 to 1983; and as chairman of the Campaign for Penn State, which raised more than \$350 million to strengthen academic programs across the University from 1984 to 1990.

He and his wife, Joan, are two of the University's most generous benefactors. In addition to their \$30 million gift in 1997 to create The Schrey-

er Honors College, the couple gave \$1 million to endow the William A. Schreyer Chair in Global Management Policies and Planning in The Smeal College of Business Administration in 1987; \$1 million to help build the Paterno Library in 1993; and \$1 million in 1995 to renovate "Lisnaward," a historic State College home near the University Park campus, to make it the residence of the University president. The sale of the former president's house netted \$700,000, which was used to support the Schreyer Institute for Innovation in Learning.

Over the years, the Schreyers have supported other University initiatives, including The Bryce Jordan Center at University Park and the Biomedical Research Building at the Milton S. Eshery Medical Center. In February of this year, Fortune magazine placed the Schreyers at No. 18 on its list of the 40 most generous Americans.

Schreyer is a 1948 graduate of Penn State, with a bachelor's degree in commerce and finance. In 1979 he was named a Distinguished Alumnus and in 1983 became an Alumni Fellow. Joan Schreyer was made an honorary alumna in 1991.

Professional Women at Penn State announces new council members

Professional Women at Penn State, a grassroots organization which provides a communications and support network for women at the University, elected the following members to serve a three-year term on its Coordinating Council, a committee of 12 that manages the activities of the group: Donna Ballock, College of Health and Human Development; Beth Stover, Department of Poultry Science; Christine Bundy, financial office, College of the Liberal Arts; Sarah Aumiller, Computer Science and Engineering; Carol Ahmed, African/African American studies; Penny Kowalski, Enrollment Management and Administration; Holly Shoemaker, Department of Spanish/Italian/Portuguese; and Bonnie Garner, resident instruction, College of Health and Human Development.

Officers for the 1998-99 academic year are Jean Barczak, staff assistant in the College of Health

and Human Development, who will serve as chair, and Linda Spangler, administrative assistant in the Department of Economics, who will serve as treasurer.

In addition to its regular programming activities for the 1998-99 academic year, a mentoring program is also on the agenda. Individuals interested in learning about other areas of the University, will be chosen each semester from applications sent to the council, and will receive 12 hours of mentoring.

All female employees of the Penn State community are members of Professional Women at Penn State. The group has a listserv which is used to disseminate information to the community about speakers and events planned by the group. Anyone wishing to receive information can e-mail Barczak at jas10@psu.edu.

Faculty/Staff Alerts

Intercom schedule

With this issue, *Intercom* returns to its weekly schedule of publication. The schedule follows:

Publication date	Copy deadline
Aug. 20	Aug. 12
Aug. 27	Aug. 19
Sept. 3	Aug. 26
Sept. 10	Sept. 2
Sept. 17	Sept. 9
Sept. 24	Sept. 16
Oct. 1	Sept. 23
Oct. 8	Sept. 30
Oct. 15	Oct. 7
Oct. 22	Oct. 14
Oct. 29	Oct. 21
Nov. 5	Oct. 28
Nov. 12	Nov. 4
Nov. 19	Nov. 11
Dec. 3	Nov. 24*

Holiday Break

Jan. 14	Jan. 6
Jan. 21	Jan. 13
Jan. 28	Jan. 20
Feb. 4	Jan. 27
Feb. 11	Feb. 3
Feb. 18	Feb. 10
Feb. 25	Feb. 17
March 4	Feb. 24

Spring Break

March 18	March 10
March 25	March 17
April 1	March 24
April 8	March 31
April 15	April 7
April 22	April 14
May 6	April 28
May 20	May 12
June 3	May 26
June 17	June 9

*Early deadline

All copy is due to *Intercom* by noon on the deadline day unless otherwise indicated. Copy should be sent via e-mail to lmr8@psu.edu or axm219@psu.edu. Faxes to (814) 863-3428 also will be accepted.

To see the *Intercom* schedule for the remainder of the 1998-99 academic year, check the Web at <http://www.psu.edu/fur/INTERCOM/ deadlines.html>.

Call Center hours

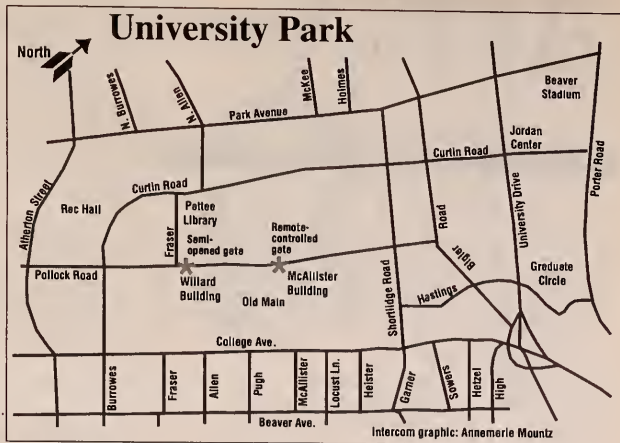
The Penn State Call Center Services Office will extend hours starting Saturday, Aug. 22, through Saturday, Sept. 5. The hours will be 7 a.m. to midnight weekdays and 8 a.m. to midnight on weekends.

Beginning Tuesday, Sept. 8, the office will resume regular hours of operation: 7 a.m. to 11 p.m. weekdays and 8 a.m. to 11 p.m. on weekends.

Pollock Road to close Aug. 24

In order to increase pedestrian safety near the Patton Mall on the University Park campus, Pollock Road will be closed to traffic during working hours effective Aug. 24. The closure will apply to all vehicles, including Office of Physical Plant vehicles, with the exception of police cars, fire trucks and shuttles for handicapped individuals.

A new remote-controlled gate will be installed near McAllister Building. The existing semi-opened gate will be relocated just east of Fraser Road. All buildings will continue to be accessible to OPP vehicles.



New traffic pattern

Beginning Aug. 24, a permanent gate will be installed on the University Park campus across Pollock Avenue at McAllister Building, and the gate that currently is near Old Main will be moved just east of Fraser Road. For details, see the Faculty/Staff Alert on this page.

The above map shows the location of the gates. For more information, call Paul Ruskin at 863-9620 or e-mail pd2@psu.edu.

Software and social

The Penn State Geographic Information Science community will meet from 3 to 4:30 p.m. Aug. 24 in Boardroom 1 at The Nittany Lion Inn on the University Park campus. The meeting is open to all faculty and staff, and includes a "Software and Social" to announce an educational program and demonstrate MapInfo Corp. software capabilities.

If you plan to attend, call Todd Bacastow at (814) 863-0293 or e-mail bacastow@gis.psu.edu before Aug. 21.

Trial Gardens tour

Backyard gardeners, gourmets and anyone with an interest in vegetables can see, pick and eventually eat award-winning vegetable varieties at the All-America Selection Vegetable Tour on Aug. 27 at the Penn State Trial Gardens on the University Park campus. The Trial Gardens are located at the corner of Bigler Road and Park Avenue.

The event begins at 9 a.m. and continues through the day with a tour and samples. At noon, participants will travel to the Autoport Restaurant for a buffet luncheon served with sample dishes containing the most promising vegetable varieties. The day will continue with other events.

A \$25 registration fee will be charged. Registrations will be accepted by mail or fax (814-865-7050) through Aug. 20. For more information, call Peter Ferretti at (814) 863-2313.

At the Nat

■ The Natatorium on the University Park campus will be offering fall aquatic classes starting Aug. 31. Passes for the semester are \$30 and will be available at the Natatorium and White Building towel desks after Aug. 20.

The schedule follows:

M-F: 10-11 a.m. (Natatorium)
M-Thurs.: 5:30-6:30 p.m. (Natatorium)
M-F: 12:10-12:50 p.m. (White Building Pool)

■ Diving classes also will be offered for two sessions on Tuesday and Thursday evenings, from Sept. 15-Oct. 22, and from Nov. 3-Dec. 10. There are three levels:

- Learn to Dive, from 5:30-6:30 p.m. Cost: \$100/session;
- Novice, from 5:30-6:30 p.m. Cost: \$100/session;
- Jr. Olympic, from 6:30-8 p.m. Cost: \$150.

Participants must register before Sept. 8. Call Jon Larson at (814) 863-3945 for more information.

News online

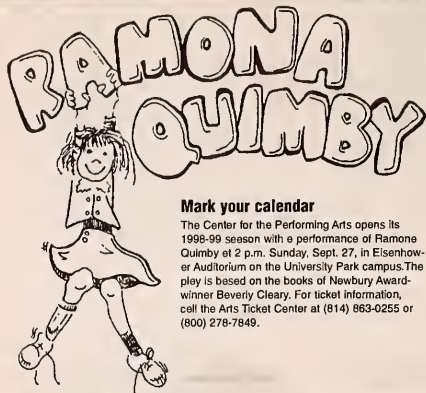
The Penn State Gerontology Center has created a Web site that offers a variety of online resources, including searchable information services and database; a catalog for gerontology-related articles; research opportunities; more than 150 topics related to aging; 170 toll-free numbers for referral; and information on volunteer opportunities. To visit the site, point your Web browser to <http://geron.psu.edu>.

Computer seminars

A multitude of computer seminars for faculty and staff are slated for fall. The classes, for both IBM and Mac users, are joint offerings of the Center for Academic Computing and the Human Resource Development Center. Seminars are available on topics such as desktop publishing, Excel, Filemaker Pro, IBIS, Advanced Eudora, PageMaker, Photoshop, PowerPoint, Director, Illustrator and more. For course descriptions and registration fees, watch for the new HRDC Professional Development catalog coming out soon. For more information now, send e-mail to wagner-lab@psu.edu or check the Web at <http://cac.psu.edu/training/Wagner/> for times, dates and listings.

ARTS & ENTERTAINMENT

AT PENN STATE



Mark your calendar

The Center for the Performing Arts opens its 1998-99 season with a performance of *Ramona Quimby* at 2 p.m. Sunday, Sept. 27, in Eisenhower Auditorium on the University Park campus. The play is based on the books of Newbury Award-winner Beverly Cleary. For ticket information, call the Arts Ticket Center at (814) 863-0255 or (800) 278-7849.

Odyssey Through Literature

Odyssey Through Literature, a half-hour radio show produced as a continuing education service of the Department of Comparative Literature, has set its fall schedule. The fall series has been drawn from the archives. The schedule through Sept. 27 follows:

■ Aug. 30: "Bobbing Beyond the Known" with poet Alan Parker, professor of English at Penn State Erie, reads from and discusses his book *Days Like Prose*, with host Leonard Rubinstein.

■ Sept. 6: "Words in Fog," Mark Doty, a poet and writer teaching at the University of Utah, discusses his recent memoir, *Heaven's Coast*.

■ Sept. 13: "Binding Passions," with Penn State historian Guido Ruggerio, author of *Binding Passions: Tales of Magic, Marriage, and Power at the End of the Renaissance*, discusses the teeming complex human quality of the Italian Renaissance.

■ Sept. 20: "Hamlet in a Nutshell" with Penn State astronomer Peter Usher, who introduces host Leonard Rubinstein to the coded and cryptic ways in which Shakespeare incorporated the latest scientific theories into his works.

■ Sept. 27: "Tom! (No Answer) Tom! (No Answer)" Richard Kopley, English professor and author of children's books, discusses the particular

pleasures of blue sky, compound words and the study of great American literature.

Odyssey Through Literature airs Sundays at 6:30 p.m. on WPSU, 91.5 FM from University Park and 106.7 FM in Altoona, and on WPSB, 90.1 in northern Pennsylvania.

CPA announces season

Twenty-five years ago, the Pittsburgh Symphony officially opened Eisenhower Auditorium, the 2,500-seat performance hall on the University Park campus. The symphony will return Nov. 19 under the direction of Andre Previn, for a special concert marking the auditorium's silver anniversary.

The performance is one of several highlights of the 1998-99 season for the Center for the Performing Arts. Season subscriptions for the 25-event series are now on sale. Call (814) 863-0255 for a free season brochure.

All events will be held in Eisenhower Auditorium unless otherwise noted.

The season at a glance:

■ *Ramona Quimby*, 2 p.m. Sunday, Sept. 27

■ *Fiddler on the Roof*, 8 p.m. Thursday and Friday, Oct. 1 and 2

■ Preservation Hall Jazz Band, 8 p.m. Saturday, Oct. 10

■ *A Funny Thing Happened on the Way to the Forum*, starring Jo Ann

Worley, 8 p.m. Wednesday and Thursday, Oct. 14 and 15

■ *The Taming of the Shrew*, 8 p.m. Wednesday, Oct. 21

■ *Beauty and the Beast*, 8 p.m. Saturday, Oct. 24

■ Jon Nakamatsu and the Tokyo String Quartet, 8 p.m. Wednesday, Oct. 28

■ Ravenshead, Rinde Eckert and the Paul Dresher Ensemble, 8 p.m. Friday, Nov. 6

■ Pittsburgh Symphony Orchestra, Andre Previn, conductor, 8 p.m. Thursday, Nov. 19

■ *The Nutcracker*, 8 p.m. Friday, Dec. 4 and 2 p.m. Saturday, Dec. 5

■ *Having Our Say*, 8 p.m. Thursday, Jan. 21

■ *El Mozote*, Pascal Rioult Dance Theatre and the Core Ensemble, 8 p.m. Friday, Jan. 29

■ *Die Fledermaus*, London City Opera, 8 p.m. Tuesday, Feb. 2

■ Los Angeles Guitar Quartet, 8 p.m. Saturday, Feb. 6, Schwab Auditorium

■ *Smokey Joe's Cafe*, 8 p.m. Thursday and Friday, Feb. 11 and 12

■ *Dee Dee Bridgewater*, 8 p.m. Thursday, Feb. 18

■ *Jazz Train*, Donald Byrd/The Group, 8 p.m. Saturday, Feb. 20

■ *Big: The Musical*, 8 p.m. Tuesday, Feb. 23

■ Midori, violin, Robert McDonald, piano, 8 p.m. Saturday, March 20

■ *Winnie the Pooh*, 2 p.m. Sunday, March 21

■ *Hit Me With A Hot Note!* The Duke Ellington Songbook, Marilyn McCoo and Billy Davis Jr., 8 p.m. Wednesday, March 24

■ *Peking Acrobats*, 8 p.m. Friday, March 26

■ *The King and I*, 8 p.m. Tuesday and Wednesday, April 6 and 7

■ *Musicians from Marlboro*, 8 p.m. Saturday, April 10, Schwab Auditorium

■ *The Wiz of the West*, Missoula Children's Theatre, 2 p.m. Saturday, April 17

Arts and Crafts Festival

The third annual Community Arts and Crafts Fall Festival returns to the Penn State Harrisburg campus on Saturday, Oct. 3.

The community celebration from 10 a.m. to 4 p.m. will feature non-stop free entertainment, free parking, an estimated 160 craft vendors and artists, activities and events for children and plenty of food. Proceeds from the event benefit the community.

The festival is again being organized through volunteer efforts of the college and the surrounding municipalities—Middletown, Royallton and Lower Swatara Township.

The entertainment in the main tent



BRYCE JORDAN CENTER

Vince Gill to perform

Country music superstar Vince Gill, with special guest Restless Heart, will appear at The Bryce Jordan Center at 7:30 p.m. Friday, Sept. 18. Tickets are \$26 and \$21 for reserved seating. There is a \$2 discount for Penn State students on the \$21 tickets (limit two per I.D., available at the Jordan Ticket Center only).

The former lead singer of Pure Prairie League, Gill has successfully recorded seven albums as a solo artist, with each album selling more than a million copies. He also has received many honors, including 10 Grammys and 17 Country Music Association Awards.

Joining Gill at The Bryce Jordan Center will be newly reunited Restless Heart, best known for their mix of country and rock with heavy backbeats and tight harmonies.

Tickets can be purchased at the Bryce Jordan Ticket Center, Eisenhower Auditorium, selected Uni-Mart ticket outlets, Commonwealth campus and college ticket outlets, or by calling (814) 865-5555 locally or toll-free at (800) 863-3336. For group sales, call Fran Nulfer at (814) 863-1812.

on the festival grounds kicks off at 10 a.m. The children's tent will offer day-long activities for the younger set, also beginning at 10 a.m.

In addition, Penn State Harrisburg nursing students will provide free blood pressure screenings during the festival.

For more information, call (717) 648-6272.

Community Arts Center performances

The Williamsport Symphony Orchestra will perform at the Williamsport Community Arts Center, part of Penn College, on several dates in the coming year. The season begins on Oct. 20 with a "Surprise Symphony" and conducting by Craig Nies.

A holiday concert on Dec. 8 features a brass quintet; On Feb. 6, 1999, the orchestra will perform with cellist Nathaniel Rosen, guest artist; April 10 is set aside for the spring concert, "A Soldier's Tale" by Stravinsky, with a narrator, dancer and actors; and May 18 marks the orchestra's annual pops concert featuring the Williamsport Civic Chorus. Call the arts center box office at (717) 326-2424 for times and ticket information.

UNIVERSITY PARK CALENDAR

SPECIAL EVENTS

Saturday, August 15

"Saving Moments," digital prints and video by Mary Voller, opening reception, 7 to 10 p.m., Zoller Gallery, 101 Visual Arts Building.

Sunday, August 16

Awake American-Christian Revival, The Bryce Jordan Center, through Aug. 17.

Tuesday, August 18

Ag Progress Days, Russell E. Larson Agricultural Research Center at Rock Springs, through Aug. 20.

Friday, August 21

Student Arrival Day, various locations, through Aug. 23.

CONFERENCES

Friday, August 14

Penn State In-Service Workshops for Astronomy Teachers Alumni, residence halls, through Aug. 16.

Pa. Square Dance, The Penn Stater.

School to Work Resource Center, The Penn Stater.

Sunday, August 16

Orion, Section 3, residence halls, through Aug. 21.

Basic Short Course-Metal Powder Ind., The Penn Stater.

Monday, August 17

Nucleic Acid and Protein Sequence Analysis, The Penn Stater.

Tuesday, August 18

Overview of Coal Mining Industry Technical Fundamentals for Executives, The Penn Stater, through Aug. 21.

Nursing Case Management, The Penn Stater, through Aug. 19.

Thursday, August 20

Commonwealth Approved Trainers, The Penn Stater.

MADD, The Nittany Lion Inn.

Friday, August 21

Semiconductor Industry Workshop, The Penn Stater.

Saturday, August 22

Retention Conference, The Penn Stater.

EXHIBITS

Computer Building

Art on the Move, Digital Photography Studio, through Sept. 3.

North Halls

Paintings by Erin Bolger, 133 North Halls, through Sept. 10.

Palmer Museum of Art

"Treasures of Deceit: Archaeology and the Forger's Craft," through Aug. 16.

"Tim Rollins and K.O.S. — A Paper Retrospective," through Dec. 20.

"Musical Notes by Honoré Daumier: Prints from the Collection of Egon and Belle Gartenberg," through Dec. 13.

Ritenour Building

Art on the Move, watercolor paintings by Marlee Erwin, through Sept. 10.

Zoller Gallery

"Saving Moments," digital prints and video by Mary Voller, through Aug. 29.

■ Reflects international perspective.

For a full listing of University Park activities, including sporting events, go to the Web at URL <http://cac.psu.edu/calendar/>

AUGUST 14 - AUGUST 23

Alumni Association council names 1998 Honorary Alumni

Athletic director emeritus ushered in Big Ten era

The Alumni Council of the Alumni Association has named James I. Tarmann an honorary alumnus. The award was created to recognize outstanding individuals who, though not graduates of Penn State, greatly enhance the University through their commitment and service.

Tarmann, athletic director, emeritus served Penn State for 35 years when he retired in 1993. Under his leadership, the Nittany Lion's athletic program increased significantly, physical facilities had greatly expanded and Penn State was accepted for membership in the Big Ten Conference.

Tarmann's colleagues credit him with being one of the University's most creative and committed executives. He shared the distinction of two national championships in football, 1982 and 1986; NCAA crowns in women's lacrosse, 1987 and 1989; and men's and women's fencing, 1990, 1991; and various Eastern and



JAMES I. TARMAN

regional titles in sports from wrestling to women's volleyball and others.

Tarmann was named to the College Sports Information Directors Hall of Fame in 1970. In 1996 he was inducted into the Gettysburg College Hall of Athletic Honor and in 1997, Tarmann was named to the National College Athletic Association Hall of Fame.

He has served on numerous committees. A 1952 graduate of Gettysburg College and a native of York, he was on staff of the *Harborside Patriot News* for a year and was assistant public information director and sports information director at Princeton University before joining Penn State in 1958.

In 1990, Tarmann received an honorary membership in Penn State's Golden Key Society in recognition of his commitment to academics and athletics. He is a resident of State College and a trustee emeritus of Gettysburg College.

Couple's service spans a quarter of a century

The Alumni Council of the Alumni Association has named Alvin and Jean Snowiss as Honorary Alumni of Penn State. The award was created to recognize outstanding individuals who, though not graduates of Penn State, greatly enhance the University through their commitment and service.

The couple's involvement and service to the University dates back more than 25 years. As advocates and supporters of the arts at Penn State, the two have helped the Palmer Museum of Art facilities and art collections emerge and develop. They also helped direct the acquisition of a number of paintings in the museum's permanent collection.

In 1990 the Snowisses committed \$350,000 toward the construction of a gallery for the 1993 addition to the museum. They have loaned their personal American art collec-



ALVIN SNOWISS



JEAN SNOWISS

tion to the Palmer Museum to augment some of the museum's special exhibitions. They also donated a watercolor by Edward Hopper and two prints by American artists: Thomas Hart Benton and Jon Corbino.

The Snowisses are members of the Palmer Museum of Art Advisory Board, the Friends of the Palmer Museum Board, the Mt. Nittany Society, the President's Club, the National Development Council and the Arts and Architecture Campaign Volunteer Committee.

Alvin Snowiss is an attorney with Snowiss Steiberg Faulkner and Rae and serves on the Clinton County, Pennsylvania and American bar associations. He received his bachelor's and J.D. degrees from the University of Pennsylvania.

The couple lives in Lock Haven.

New Chambersburg Center opens at mall

Penn State Mont Alto recently opened Penn State's first location in a shopping mall. The new Chambersburg Center, located in the Chambersburg Mall, will provide access to the degree programs and continuing education services.

The Chambersburg Center offers a diverse range of community education programs with a special

emphasis on health, technology and business. Penn State Mont Alto is offering three categories of courses at the Chambersburg Center: traditional for-credit classes; non-credit professional development training; and non-credit technology courses.

Housed in a storefront location in the east wing of the Chambersburg Mall, the 4,300 square-foot facility features a computer training

room with 20 laptop computers and high-speed Internet access, a lecture room for traditional classes, a seminar room geared to professional continuing education programs, and a public resource library devoted to health and wellness topics.

The fall schedule already includes more than 100 courses, seminars and other planned activities.

Appointments

Nuclear Engineering Program announces new chairholder

Anthony J. Baratta has been named chair of the Nuclear Engineering Program as a result of the recent merger between the departments of mechanical engineering and nuclear engineering. He replaces Edward H. Klevans, who is retiring after 30 years with the College of Engineering.

Baratta will head the department's administration and planning efforts. He has been a member of the Penn State faculty since 1978, teaching courses in reactor theory, reactor safety and computer applications.

He founded the Nuclear Energy University Consortium for cooperative research and education. Baratta is a member of numerous organizations. He received his bachelor's degree in physics/applied physics from Columbia University and his M.S. and Ph.D. in physics from Brown University.



ANTHONY J. BARATTA

Outreach and Cooperative Extension appoints new state program leader

Marilyn Corbin, professor of family and consumer sciences and assistant to the director of the Cooperative Extension Service at North Carolina State University, has been appointed state program leader for children, youth and families with Penn State Outreach and Cooperative Extension, effective Oct. 19.

As state program leader, Corbin will provide leadership and support for the development, implementation and evaluation of statewide educational programs aimed at children, older youths and families, including 4-H. She will actively develop funding and other resources and maintain training for cooperative extension and other outreach initiatives. Corbin will work closely with administrators in the College of Agricultural Sciences, academic department heads, regional extension directors, faculty and county extension agents, as well as academic and outreach programs in other colleges within the University.

Corbin has been at North Carolina State since 1993, when she was hired as head of the Department of Family and Consumer Sciences, professor of family and consumer sciences and assistant director of the university's extension service. She was promoted to assistant to the director in 1997.

Corbin earned a bachelor's degree in business administration and home economics from Southwest College in Winfield, Kan., in 1970; a master's degree in textiles and interior design from Kansas State University in 1972; and a doctorate in family life education from Kansas State in 1982.

Corbin has received numerous awards and honors. She is national vice president of the Association of Leadership Educators and is president elect for 1998-99. She is a member of several organizations.

College of Education welcomes coordinator of college relations

The College of Education recently named Jeff Deitrich coordinator of college relations. He will be responsible for the college's publications, media relations, special events and alumni relations program.

A native of Bellefonte, Deitrich received a B.A. in mass communications from Penn State in 1989. He was assistant director of alumni relations at Penn State Berks-Lehigh Valley for the past three years.

Before joining Penn State, Deitrich was a public relations writer for Widener University, an accountant for NBC's "Homicide: Life on the Street" and worked for the public relations firm Hill and Knowlton. He has been involved with Penn State alumni chapters in Allegheny, Montgomery, Berks, Northampton and Lehigh counties and was president of the Lion Ambassador Alumni Interest Group for four years.



JEFF DEITRICH

Alumni coordinator joins Penn State Capital College

Laura K. Davis is the new Penn State Capital College alumni coordinator. As a major portion of her new duties, she will coordinate alumni activities at both the Harrisburg and Schuylkill campuses.

She comes to the college from Penn State Mont Alto, where she coordinated special events, public information and alumni activities since December 1995. Previously, she served as an instructional services assistant at WITF in Harrisburg.

A 1994 Penn State graduate with a bachelor's degree in communications, Davis is pursuing a master's in communications studies at Shippensburg University.



LAURA K. DAVIS

Penn State York hires director of academic affairs

William D. Eaton, a microbiologist and member of the faculty at Malaspina University College in British Columbia, Canada, has been named the new director of academic affairs at Penn State York. He replaces John R. Madden, who served as director of academic affairs at Penn State York since 1987 and recently accepted a position as campus executive officer at Penn State Hazleton.

In addition to the administrative responsibilities as director of academic affairs, Eaton is an associate professor whose discipline is microbiology.

A native of Walnut Creek, California, Eaton holds a Ph.D. in microbiology from the University of California, Davis, a master's degree in biology and a bachelor's degree in wildlife zoology from San Jose State University.

Before coming to Penn State York, Eaton served as a member of the faculty at Malaspina University College for nine years. During his tenure there he served as faculty and coordinator of the biology department and helped develop a good educational and research reputation at the school as it moved from a two-year to a four-year degree institution.

His administrative experience includes curriculum and program development; faculty evaluation and development; student advising; international education program development; grant writing; and bringing together consortiums of scientists and teachers.

In addition to his experience at Malaspina, Eaton served as chairman of the Juneau Center for Fisheries and Ocean Sciences at the University of Alaska, Fairbanks and director of the Washington State Department of Fisheries virology lab. He has taught a variety of undergraduate and graduate courses for both science and non-science majors.

Eaton has numerous international publications, reviews manuscripts for several different journals, reviews grants for several U.S. and Canadian funding agencies and is a member of several professional societies.

Associate vice provost promoted to top educational equity position

Walter Terrell Jones, associate vice provost for educational equity, has been appointed vice provost for educational equity, effective Aug. 17. Jones replaces James B. Stewart,

who is returning to research and teaching as professor of labor studies and industrial relations and African and African American Studies.

As vice provost, Jones will be responsible for the University's diversity strategic planning and implementing the first University-wide Diversity Strategic Plan, which was introduced this year.

As associate vice provost, Jones has been instrumental in creating a multicultural environment on campus. He was responsible for curricular changes that reflect a multicultural perspective, has developed and implemented cultural awareness programs and oversees an assessment program that monitors progress toward meeting the University's goals as a multicultural institution.

In 1996-97, Jones was acting provost and vice president for academic affairs at Lock Haven University. He also served as assistant dean of student life at Lock Haven from 1975-1977.

At Penn State, Jones has served in several capacities with the Office of Student Affairs. He also has taught as an affiliate assistant professor in the Department of Counselor Education and the Department of African and African American Studies.

In 1989-90, Jones was an Administrative Fellow in the Office of the President.

Jones has served in key positions on a number of University-wide committees. Active in the community, he is currently chair of the Centre County Advisory Council for the Pennsylvania Human Relations Commission.

Jones received a bachelor of arts degree in sociology from Lock Haven University and master of education and doctor of education degrees from Penn State. Among his publications are articles on minority and majority student awareness and perspectives on ethnicity. He is co-author of *How to Succeed on a Majority Campus: A Guide for Minority Students*, published this year.



WALTER TERRELL JONES

Appointments

New dean recommended for Eberly College of Science

Daniel J. Larson, the Maxine S. and Jesse W. Beams professor of physics at the University of Virginia, has been recommended as the new dean of the Eberly College of Science. Penn State's Board of Trustees will act on the recommendation at its Sept. 11 meeting at University Park.

At the University of Virginia, Larson's cumulative research funding is more than \$4 million, and he has consistently been ranked among the best teachers in his department. He has published dozens of papers in scientific journals and presented many invited papers at scientific meetings.

Larson was chairman of the physics department at the University of Virginia in 1991-97 and associate dean of its arts and sciences faculty from 1989 to 1991. Larson joined the University of Virginia in 1978 as an associate professor of physics and was named professor of physics in 1987. In 1996 he became Beams professor of physics. He was a National Science Foundation graduate fellow in 1966-70 and a Woodrow Wilson fellow in 1966.

He earned both his Ph.D. (1971) and his master's degree (1967) in physics at Harvard University. In 1966 he graduated summa cum laude with a B.A. degree in physics and mathematics from St. Olaf College.

Larson is a fellow of the American Physical Society and a member of the Optical Society of America and the American Association of Higher Education. He is an elected member of Phi Beta Kappa, Sigma Xi and Sigma Pi Sigma.

Before joining the University of Virginia, Larson was an associate professor and an assistant professor of physics at Harvard. He also was a visiting scientist at the Laboratoire Aimé Cotton in Orsay, France, in 1991; a visiting professor at Chalmers University in Gothenburg, Sweden, in 1986; and a visiting scientist at the National Bureau of Standards in Boulder, Colo., in 1985-86.

Health and Human Development appoints alumni relations director

Renee A. Marks has been named the new director of alumni relations for the College of Health and Human Development. She will be responsible for developing alumni interest and involvement within the college's various schools and departments, including work with the Alumni Society board of directors and affiliate program groups.

Marks has served as an instructor in the College

of Education, where she was responsible for teaching undergraduate and outreach courses and undergraduate student advising. In addition, she coordinated the annual

Statewide Allied Health Occupations Education Conference and administered the Nurse Aide Teaching the Educator program for the Pennsylvania Department of Education. She also has worked as a management consultant for IFR Applications Inc., focusing on training needs assessment and curriculum development for private industry.

Marks serves on the board of directors of The Second Mile and works on several committees for the State College Area School District. She also has volunteered in many capacities. For her service to The Second Mile, she was named one of the 1998 Volunteers of the Year by the Centre County Council for Human Services.

Marks earned a bachelor's degree in vocational education/health occupations education and a master's degree in workforce education from Penn State. In addition, she holds an associate degree in dental hygiene from the University of Pittsburgh School of Dental Medicine.

Penn State Erie names coordinator of Learning Resource Center

Ruth Pflueger, a Penn State Erie graduate and former administrative assistant in the Provost's Office, has been named coordinator of the Learning Resource Center (formerly called the Learning Assistance Center). Her duties in this new position will include supervising or teaching various workshops related to student success, with a special focus on study and writing skills.

Administrative Fellow becomes associate director

Susan Shuman was recently named associate director, administration and planning for Outreach and Cooperative Extension. In this role, Shuman will provide support for strategic planning, diversity planning, performance measurement

and human resource development activities for all outreach units.

This year Shuman served as Administrative Fellow in the Office of the Executive Vice President and Provost where she worked closely with the Center for Quality and Planning, the Office of the Vice Provost for Educational Equity and the Office of Undergraduate Education. Her projects included facilitating a CQI team for Residence Life, analyzing University-wide diversity data, developing professional development programs for faculty and benchmarking for the Strategic Study Group for Information Science and Technology.

Shuman has been employed by Penn State for 12 years, serving the last seven as a senior research associate in the Outreach Office of Marketing Research. She earned a Ph.D. in sociology from Penn State and bachelor of arts and master of arts degree in sociology from Case Western Reserve University.

Network systems coordinator joins Penn State Lehigh Valley

Heidi M. Wieder recently joined the staff at Penn State Lehigh Valley as the network systems coordinator. Wieder's duties include coordinating the campus' technology needs, servicing the technology and administering Internet and telephone communication systems.

Her technical experience includes four years with Muhlenberg College's office of information technology as a user support coordinator and a computer operator with responsibilities overseeing all aspects of the computer room operations. Before that, Wieder was a systems coordinator and technical assistant for both Cedar Crest and Muhlenberg college libraries, where she was responsible for the libraries' online catalog system and the access for CD-ROM, the Internet and modem communication.

Military training at Lackland Air Force Base in Texas and Wurtsmith Air Force Base in Michigan prepared Wieder for many of the technological challenges she faces in her new position.



RENEE A. MARKS



SUSAN SHUMAN

Book Shelf

With a growing trend toward shorter hospital stays, families are assuming more responsibility for home care. Two new publications, edited by Peter S. Houts, professor of behavioral science and medicine in the College of Medicine, are designed to assist families with this often difficult task.

Home Care Guide for Advanced Cancer and *Home Care Guide for HIV and Aids* are the second and third manuals in a series by Houts. These publications, published by the American College of Physicians, are designed to give family members or friends who are caring for people with serious illnesses the information they need to

provide the best and most informed home care possible.

Home Care Guide for Advanced Cancer is for use during the terminal period of care when quality of life rather than length of life is the primary purpose for caregiving. Topics covered include what to do before and after the moment of death, the grieving process and supporting younger people as they cope with death and funerals. This guide has been published on the Web at <http://www.acponline.org>. Viewers can read and download the chapters for free.

The Home Care Guide for HIV and Aids covers such topics as appetite problems, emotional and social stress

related to HIV/AIDS and coping with depression.

Faculty and staff from the Penn State Geisinger Health System have been major contributors to the manuals, along with professionals from other institutions.

S.K. Majumdar, Lafayette College, Richard E. Tressler, professor and head, Department of Materials Science and Engineering at Penn State, and E. Willard Miller, professor of geography and associate dean emeritus for resident instruction, Penn State, are co-editors of *The Era of Materials* published by the Pennsylvania Academy of Science. This book was

conceived to provide a snapshot of the current state of materials and to showcase the Penn State connection to the diverse segments of modern materials. This book has been written by the materials research faculty at Penn State, mostly from the Department of Materials Science and Engineering, and by faculty in the Intercollege and Materials Research Laboratory.

The initial chapter provides an overview of the evolution of materials in society. The succeeding chapters are divided into two themes: the development of the fundamentals of materials science; and the development of materials and devices for specific applications.

Partings

DUS executive served since 1967

James J. Kelly, senior associate director in the Division of Undergraduate Studies, has retired after more than three decades at Penn State.

Kelly came to the University in 1967 to develop English teaching programs in the Computer-assisted Instruction Lab in the College of Education. Later, he moved to the College of the Liberal Arts, where he held a research associate position in the Center for Continuing Liberal Education. He was the administrative assistant for the Department of Political Science, and was in charge of the general arts and sciences major from 1972-74. In 1974, he joined the newly created Division of Undergraduate Studies to develop the University's first academic information network, linking all colleges, all campuses and all programs in a single system.

"I was always blessed with the luck of the Irish, and when I came to Penn State, I was equally blessed with the best of mentors and colleagues from beginning to end," Kelly said.

In addition to his position responsibilities, he has conducted research and taught courses, both in resident education and through independent learning, during every one of his 31 years at the University. He has been both national and northeast regional president of the Association of Academic Affairs Administrators, and he served as the research chair for the national Academic Advising Association. He has been a member of numerous University Faculty Senate and administrative committees during his tenure and, in the last four years, has been a member of the team that is creating the University's first computer-assisted advising system CAAIS (Comprehensive Academic Advising and Information System). In retirement, Kelly plans to continue writing and presenting conference papers in the field of advising.

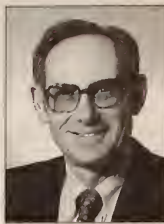
Nuclear engineering head retires

Edward H. Klevans, professor emeritus and head of nuclear engineering, has retired after more than 30 years of service.

Throughout his career, Klevans has been a national leader in nuclear engineering. In 1976 he received the Glenn R. Murphy Award from the American Society for Engineering Education for outstanding contributions to nuclear engineering education. He served as chairman of the Nuclear Engineering Division of the society; chairman of the Nuclear Engineering Department Head's Organization in 1991-92; and chairman of the Education Division of the American Nuclear Society. He has testified before Congress on several occasions and, in 1989, Klevans was appointed to the Committee on Future Nuclear Power Development created by the National Academy of Sciences. The committee analyzed nuclear power options and proposed policy alternatives for the future development of nuclear power in the United States.

Currently, Klevans is chairing the University of Chicago's Argonne National Laboratory-West Review Committee, and is serving on the National Nuclear Accrediting Board, which certifies nuclear industry training programs.

Klevans graduated with a B.S. in electrical engi-



EDWARD H. KLEVANS

neering in 1957 and earned an Atomic Energy Commission Fellowship in nuclear engineering. He earned his M.S. and Ph.D. at the University of Michigan in 1958 and 1962. After Michigan, Klevans joined NASA's Jet Propulsion Laboratory as a research scientist from 1962-66.

Klevans returned to Penn State as an assistant professor in nuclear engineering in 1966, researching theoretical models of fusion devices. He was appointed to associate professor the following year and ascended to the rank of full professor in 1976. In addition to his work on fusion, he was a member of the Ionosphere Research Laboratory (now the Communications and Space Science Laboratory). From 1980 to 1984, Klevans served as associate dean for research in the college.

In 1987, Klevans became head of the Department of Nuclear Engineering and helped continue building the department into one of the top programs in the country.

Although he is retiring, Klevans will continue to be a presence in the college. In addition to pursuing research and teaching, Klevans will head the faculty/staff portion of the upcoming capital campaign for the college. He also is serving as project director on a device that uses gamma ray beams to determine pipe wall thickness.

Journalism professor retires after 27 years

Dan Pfaff, professor of journalism, retired at the end of spring semester after 27 years with the College of Communications. He has been an active member of the Penn State community as well as in the fields of journalism and media scholarship.

Pfaff taught courses in newswriting, reporting, editing, media law, ethics and history at both the undergraduate and graduate levels. He served as the director of graduate studies and chair of the journalism program for the former School of Journalism and was associate dean of the School of Communications from 1990-94. In 1992, he served as acting dean.

Pfaff was a member of several University bodies, including the Faculty Senate, the Administrative Council on Undergraduate Education, the Advisory Committee on the Commonwealth Educational System and the Graduate Council Committee on Academic Standards, which he chaired. He also served as a judge for the Katey Lehman Creative Writing Awards and as a screener for the Bart Richards Award for Media Criticism.

In 1991, Pfaff received the Frank Luther Mott-Kappa Tau Alpha Research Award for Best Book in Journalism of



DAN PFAFF

that year for his book *Joseph Pulitzer II and the Post Dispatch*. In the same year, he received the Top Adviser Award from Kappa Tau Alpha, a national honor society in journalism and mass communications. In 1989, he was honored by the Association for Journalism and Mass Communication for the Best Faculty Paper, History Division.

An expert in journalism history, Pfaff has been an editorial consultant to *World Book* and a reviewer for academic journals. He also appeared in an "A&E Biography" on the Pulitzer family.

Pfaff says his decision to retire was influenced partly by his desire to finish a second biography, about Joseph Pulitzer III, which he expects to take at least two more years to complete.

After studying journalism at the University of Oregon and serving as a troop information officer in the Army, Pfaff intended to work in the newspaper business. When, as a graduate student at Penn State, he was offered the opportunity to teach writing, he decided he liked it. He received his doctorate in mass communication from the University of Minnesota in 1972.

Several employees announce retirements

Lawrence L. Biacchi, instructor of economics at Penn State Hazleton, from Sept. 1, 1966, to July 1.

Clarence R. Bryan, extension agent at Penn State Delaware County Co-op Extension, from June 11, 1956, to July 1.

Eleanor A. Chodelka, assistant to financial officer at Penn State New Kensington, from Oct. 1, 1980, to July 1.

Catherine A. Hebert, assistant professor of French at Penn State New Kensington, from Sept. 18, 1972, to July 1.

Barry L. Phelps, associate professor of mineral engineering in College of Earth and Mineral Sciences, from Jan. 1, 1977, to June 30.

Judith A. Sartore, manager of publication and packet center in The Smeal College of Business Administration, from July 2, 1984, to July 1.

Judith A. Shank, staff assistant VI at Penn State Harrisburg, from Sept. 17, 1980, to July 16.

Highlight on Undergraduate Education



Drying the treasures

Floating samples collected by archaeological field school participants are placed on newspaper to dry in the sun. Flotation is used to separate dirt from artifacts such as seeds, corn cobs, animal bones and other small materials.

Photo: Andree Elyse Messer

Field school takes students to unexcavated village site

Every summer, anthropology students trek to the far corners of the world for their rite of passage — field school. This summer, 22 Penn State students went to the site of an unexcavated Native American village in Lancaster County, where they cleared blocks of ground and exposed evidence of Native American long-houses.

"I thought it would be all glitz and glamor," said Erika Wilford, a Penn State sophomore from Downingtown who's minoring in anthropology. "On TV you never see problems, everyone is smiling, nothing goes wrong. In real life, it does not always go so well. The other day it rained and water flooded (our excavations). We had to redig."

The site is on a working farm in Lancaster County. European and Native American artifacts found there confirm that it's a "contact period Susquehannock site" dating back to a time between 1630 and 1650. This time period was before European colonists farmed in the area. The Susquehannock did trade with the British, Swedes, French and Dutch, and the findings of European beads, gun parts, pipes and pottery will eventually allow more precise dating.

In addition to the time they spent excavating the site (eight weeks, five days each week), the students attended classes on Thursday evenings and did lab work on Wednesday evenings. They learned many skills needed at archaeological sites, including surface collection, test pits and paper-work.

Next year the field will be returned to farming, but cataloging, analysis and record-



Looking for artifacts

Two field school participants float samples from the excavation to recover small artifacts. This step is done after other students use trowels to scrape the ground below the plow zone looking for evidence of prehistoric buildings.

Photo: Andree Elyse Messer

ing of the artifacts and features uncovered during this field school will become the focus of a laboratory course planned for the fall.

New at Penn State

English as a second language

Penn State Lehigh Valley will be the site of a University of Turabo master's degree program offered this fall in education that emphasizes English as a second language.

The program, a partnership with the University of Turabo in Puerto Rico, is the first master's degree in the Lehigh Valley specializing in teaching English as a second language. It was created to support educators' efforts in meeting the needs of students whose first language is not English. It will focus on second language acquisition, methods of teaching, communication skills and reading processes.

Information sessions for interested teachers will be held at the Lehigh Valley campus in Fogelsville on Tuesday, Sept. 15, and at Penn State Berks campus in Reading on Wednesday, Sept. 16. Both sessions are scheduled for 6-7 p.m.

The degree program targets teachers with teaching experience who are certified in elementary or secondary education. Proficiency in a second language is not necessary to participate and classes to complete the degree will be offered on weekends, allowing students to complete six credits each semester. Thirty-six credits are required to complete the degree.

For more information, call (610) 285-5000.

Penn College dental hygiene degree

Philadelphia area dental hygienists can now earn a baccalaureate degree in dental hygiene, thanks to a videoconferencing program available through the Pennsylvania College of Technology, an affiliate of Penn State.

The courses will be delivered from Penn College in Williamsport to Montgomery County Community College. Students will be licensed dental hygienists who have completed associate degrees in dental hygiene, but who desire advanced education and credentials. Classes will be held in the evenings.

Penn College is one of only two institutions in the state to offer a baccalaureate in dental hygiene; the other is located near Pittsburgh. Penn College also offers the degree at Luzerne County Community College in Nanticoke and Harcum College in Bryn Mawr.

For more information, call (717) 320-8007.

The initiative is made possible, in part, through a \$58,908 Link-to-Learn grant awarded to Penn College earlier this year. Link-to-Learn is Gov. Tom Ridge's three-year, \$132-million initiative aimed at expanding the use of technology in the classroom.

Camps for kids

Three camps offered in conjunction with The Milton S. Hershey Medical Center and Penn State Geisinger make lasting impressions on children who attend them and on those who volunteer their time and services.

■ Camp S.T.A.R. (sports, teamwork and recreation) is intended to help kids ages eight to 18 with disabilities find their talents in sports and recreational activities. The camp offers kids a "change in their lifestyle as well as their attitude."

■ Vent Camp, located in Camp Harmony Hall in Mid-dletown, is a one-week camp where children dependent on ventilators may attend free of charge. There are only three camps in the country that give ventilator-dependent children this opportunity. Activities include swimming, horseback riding, arts and crafts and more. The Pennsylvania Vent Camp is funded by the Children's Miracle Network annual fund-raisers and donations from various other organizations.

■ Camp Can Do, held this year at Camp Gretina Glen in Mt. Gretna, is a two-week camp that offers children a chance between the ages of eight and 17 a chance to have fun. Camp Can Do is paid for by numerous donations with the majority of funds coming from the American Cancer Society.

Anyone interested in the camps, should contact Kelly Scholl (Camp S.T.A.R.) at (717) 531-7111; Michael Detlor (Vent Camp) at (717) 531-5337; and Janice Crovella (Camp Can Do) at (717) 531-8366.

Private Giving

Great Valley given \$3 million; plans expansion

Penn State Great Valley has received a \$3 million gift from local businessman Warren V. "Pete" Musser and his company, Safeguard Sciences Inc., that will help fund a multi-million dollar expansion.

Musser, a well-known area philanthropist and the chairman and founder of Safeguard Sciences, a leading technology-related company based in Wayne, provided the gift to assist Great Valley's much-needed expansion.

Plans are under way for an additional campus building, which will house a 300-seat auditorium/conference center, a technology center, facul-

ty offices and classroom space for 500 additional graduate students. Officials expect to break ground on the expansion late this year. The building, which will be named on behalf of Safeguard Sciences, will be an asset to the Chester County business community, which currently lacks a large capacity auditorium/conference center along the Route 202 corridor. It will be named the Warren V. Musser Auditorium.

In discussing this relationship with Penn State Great Valley, Musser cited the school's leadership role in technology-related education during a time when the Greater Philadelphia business commu-

nity has experienced a severe shortage in high-tech employees.

The Penn State Great Valley School of Graduate and Professional Studies, located just off Route 202 in the Great Valley Corporate Center, was the first university campus in the nation to be built in a corporate park. The school offers professionally focused master's degree and non-credit programs for working adults, many from neighboring corporations. In recent years, Penn State Great Valley has faced a near critical shortage of classroom and parking space, and has been forced to check growth despite increasing demand.

California couple pledges \$98,000 to the Libraries

Penn State alumnus Edward O. Evans and his wife, Marjorie, of Arroyo Grande, Calif., have committed \$98,000 to the Paterno Libraries Endowment in the University Libraries. Income from the endowment helps the University Libraries acquire books, periodicals and other scholarly materials across a range of topics.

Edward Evans earned his bachelor's degree in commerce and finance from the College of the Liberal Arts in 1951, and is a retired personal accounts manager of the Aetna Life & Casualty Co. The Evanses' gift includes matching funds from the Aetna Foundation.

The Paterno Libraries Endowment was established by longtime library advocates Penn State head football coach Joe Paterno and his wife, Sue, in 1984 with gifts totaling \$120,000. Since then, additional gifts from alumni and friends have increased the endowment's market value to nearly \$37 million.

The Paterno Libraries Endowment also aids in keeping pace with rising prices and growing demand from students, faculty, staff and members of the surrounding communities at the 21 Penn State locations with Libraries facilities.

The University invests endowed gifts and uses part of the annual income for the purposes designated by the donors. The remaining income is returned to the principal to protect it from inflation.

Hershey Foods gives \$750,000

Hershey Foods Corp., one of Pennsylvania's largest food manufacturers, has pledged a total of \$750,000 to establish scholarships in the College of Medicine at The Milton S. Hershey Medical Center, and aid the construction of a new food science facility at University Park.

Hershey Foods designated \$500,000 to endow support for Hershey Foods Scholars in the College of Medicine, which has seen its number of applicants more than triple in the past decade. Currently, one out of every six applicants to medical schools in the United States applies to Penn State's College of Medicine. The college is graduating record levels of students who plan to pursue careers in primary care—a field of particular importance for the large rural areas of Pennsylvania currently underserved by trained physicians.

In 1987, Hershey Foods established a professorship in family and community medicine, and in 1991 helped create the Gastroenterology Research Laboratory in the college for the study of nutrition.

The University invests endowed gifts and uses part of the annual income for the purposes designated by the

donors. The remaining income is returned to the principal to protect it from inflation.

At University Park, \$250,000 from Hershey Foods will help build a new state-of-the-art food science facility now in the planning stage that will replace the 65-year-old Borland Laboratory. Hershey Foods has long supported the University's cocoa, chocolate and confectionery research group and is a major employer of food science graduates.

Originally built in 1932 for use in the dairy science program, Borland Lab now houses the Department of Food Science and the University Creamery.

Once completed, the new facility will enable the department to continue to meet many of the research, outreach and educational needs of Pennsylvania's \$16-billion food processing industry. It will include undergraduate instructional laboratories, classrooms, research laboratories and a cutting-edge, pilot-scale processing facility. Construction will follow additional fund raising and the release of state funds.

Professor emerita endows music enrichment fund

Patricia Farrell, professor emerita of laicure studies, has created a University Libraries endowment that will give students and faculty expanded resources for the study of music.

Farrell gave \$50,000 to establish the fund, which she has designated the John C. Farrell Endowment in Music in honor of her late brother, who attended Yale University.

Income from the endowment will support the acquisition of books, listening equipment, compact and laser discs and related materials for the Music Listening Room. First preference in making acquisitions will go to vocal music works

that complement the scholarly interests of faculty and students; second preference will go toward acquiring oratorio works, opera and new or previously unavailable works of Russian composers.

A State College native, Farrell graduated from Penn State in 1956 with a degree in recreation education. When she returned to teach at the University in 1967, she became the third generation of her family to serve on the faculty. Her grandfather, William F. Gibbons, was a classics professor and helped to create the journalism department.

Her father, Michael A. Farrell,

worked on the agricultural faculty and as head of the Agricultural Experiment Station, and eventually became Penn State's vice president for research. In addition, her mother, brother Peter, sister Ann, and other family members graduated from the University.

Farrell earned a doctorate in recreation and parks from Penn State in 1972. She was named the University's first Administrative Fellow in 1986. She retired from the faculty in 1997. She was a member of the University Libraries Development Advisory Board and also is active in the local community.

Promotions

Staff

Janet L. Dietz, associate director in Office of the Vice President for Research

Viola P. Dysart, staff assistant VI in College of the Liberal Arts

Judy L. Early, staff assistant V in College of Health and Human Development

Judy M. Everly, lead applications programmer/analyst in Computer and

Information Systems-Administrative Systems

Fraances V. Freed, library assistant II at Penn State Shenango

Hope H. Frey, program assistant II in The Smear College of Business Administration

Leslie D. Frye, lead applications programmer/analyst in Graduate School

Andrea M. Gaspardino, associate director, Greek life in Student Affairs

Daniel J. Genard, regional field director II in Division of Development and Alumni Relations

Judith A. Glembocki, assistant director, constituent relations at Penn State Erie

John F. Griggs, manager, research facilities in College of Agricultural Sciences

Phil D. Hawkins, lead systems analyst in Business Services

Maryann Mihalys Hegedus, director, business development services in Office of the Vice President for Research

Craig A. Henninger, network analyst in Student Affairs

Benjamin E. Homan, lead applications programmer/analyst in Computer and Information Systems-Administrative Systems

Betty L. Johns, staff assistant VI in Business Services

Research

Elderly readers zero in on facts

By PAUL A. BLAUM
Public Information

Older adults can compensate for declines in reading capacity and speed by focusing on key facts without having to sort through masses of data, said Penn State researchers.

"There is little question that reading ability declines with age, if we measure reading ability by quantity and speed," said Bonnie J.F. Meyer, professor of education. "With the elderly, details get in the way. But they can enjoy reading as much as younger people and derive as much benefit from it."

"Older people benefit most from reading when they are interested in the subject and the text relates to their areas of prior knowledge," Meyer said.

Research shows that, while good at sorting out the most important data, elderly readers get bogged with elaboration and detail, said co-researcher Andrew P. Talbot, doctoral student in educational psychology.

A better approach for institutions with elderly clients would be to provide them with reading material that is succinct and to the point. This would be particularly true if the material deals with issues like insurance coverage and medical treatment, the researchers said.

Facilities serving older adults such as nursing homes, retirement villages and rehabilitation centers should weigh carefully the pros and cons of computers aimed at encouraging reading.

"Computer technology is a wonderful thing, but it can be confusing and anxiety-provoking for older adults not familiar with it," said Meyer.

The current generation of elderly is not, for the most part, computer-literate; the next one will be, Meyer said.



Bonnie J.F. Meyer, professor of education, has found that succinct reading material is preferred by elderly readers.

Photo: Greg Grieco

For the present, nursing homes, retirement villages and rehab centers might be better served by a well-stocked library of large-print books and frequent visits from a bookmobile.

"Nursing and retirement homes

also would be well advised to hire professional facilitators who could encourage and stimulate older adults to continue a program of reading, especially in areas that have always interested them," she said.

Scientists find new gene-activation players

A series of discoveries that dramatically alter the understanding of how cells turn genes on were announced in July issues of the international science journals *Nature* and *Cell*.

The research, which reviewers at *Cell* have described as "provocative and highly significant," reveals molecules previously unknown to be involved in gene expression plus unexpected dynamics among these molecules, which work together as a team to activate genes.

"Gene-activation is a factor in diseases involving cancers, viruses and hormones, and we now are starting to get a much more detailed understanding of how this important process works," said Jerry L. Workman, associate professor of molecular and cell biology and the leader of the research group that made the discovery.



JERRY L. WORKMAN

Workman's research reveals new players on the team of molecules that turn on a gene — a precise section of DNA containing one of the cell's operating instructions — by making a copy of its code, which the cell then uses as a template for making whatever protein the gene is designed to produce.

"Each cell turns on only the particular genes it needs for whatever function it needs to perform," Workman said.

He said that this research changes and complicates quite a bit our picture of how gene regulation at the level of transcription actually is orchestrated. It demonstrates that the process controlling gene expression is very dynamic, very interactive, and

very complicated.

For more information, check the Web at <http://www.science.psu.edu/alert/workman7-98.htm>.

Research



More
choices
nearing
on the
horizon

Recent developments in telecommunications will make Pennsylvania more "electronic commerce friendly" and increase consumer choices, according to a study by the University's Institute for Information Policy.

The study, "Pennsylvania Telecommunications Services Competition: Outlook and Potential Entrants," analyzed 40 approved competitive local exchange carriers as well as potential entrants from other industries. It found a trend toward non-traditional entrants, selling bundled, digital, packet-switched and Internet-based voice services.

In the next few years, Pennsylvania businesses and residents can look forward to packages of interactive digital services, typically including telephone, wireless, paging, Internet, video and other services, bundled together.

Richard Taylor, co-director of the institute and Palmer Chair professor of telecommunications, said the new choices will put a greater burden on consumers to be more informed.

Obesity a cause of daytime sleepiness

Obesse people in a Penn State study were much sleepier during the day than the participants in the study's control group, according to new research from the College of Medicine. The obese patients' nighttime sleep also was disturbed.

Dr. Alexandros Vgontzas, associate professor of psychiatry in the College of Medicine, said daytime sleepiness with obese patients appears to be related to a metabolic abnormality.

"We found these obese patients were hyperaroused at night and hypoaroused during the day," Vgontzas, the study's lead author, said.

"Simply, when they should be sleeping, they were wide awake and vice versa."

This finding could explain the nighttime overeating observed in obese patients, Vgontzas said.

Vgontzas said the problem also is a public safety concern. He reported that more than 20 percent of all drivers reporting having fallen asleep behind the wheel at least once and that the most frequently cited probable cause of mass transportation crashes is fatigue.

University recycling program earns award

Penn State was recently recognized by the Can Manufacturing Institute, a national trade association of the can manufacturers of America, for its Beaver Stadium Recycling Program. It awarded \$1,000 to the Office of Physical Plant Department of Solid Waste Management for its coordination of the stadium program. The money has been donated to the Paterno Library for the purchase of reference materials related to recycling.

The Beaver Stadium Recycling Program is a large part of Penn State's efforts to recycle on campus. The program, which began in 1995, consists of Boy Scouts and Girl Scouts helping to recycle aluminum, glass and paper products at Penn State football games. Money generated from the sale of this recycled material is then donated to the United Way. Physical Plant is responsible for the operational side, and the Scouts do the rest.

Over the past three years, the Beaver Stadium Recycling Program has recycled 105 tons of recyclable material and has donated \$27,800 to the United Way.

Obituary

Robert Y. Sigworth, former Penn State supervisor of utilities who helped shape University Park campus and State College borough's utilities infrastructure, died July 25. He was 104.

Known as the father of Penn State's power plant, Sigworth wrote a number of historical pieces on the early utility systems of State College and Penn State.

Sigworth earned a degree in mechanical engineering from Penn State in 1919. He was then hired as assistant superintendent of grounds in 1920. Sigworth went on to direct the development of growth of power generation, water supply and telephone service for Penn State. He suggested that the University and the borough synchronize electrical systems, implementing a cogeneration system in 1930. That same year, he was Penn State's representative to build a new power plant on Burrows Road and in later years, he was responsible for the erection of two water towers on campus. Sigworth retired from the University in 1955.

Carpooler

Carpooler wanted from Mount Union or Huntingdon areas to University Park, Monday through Friday. Work hours are 8 a.m. to 5 p.m. Call Delynn at (814) 863-1741.

Construction update



Progress showing

The Fishbowl has been removed from the Hetzel Union Building on the University Park campus, above. Renovations on the building continue. The project will significantly renovate and expand the HUB and house the new Paul Robeson Cultural Center. Construction is scheduled to be completed in late fall semester '99.

The Pattee Library and Paterno Library construction and renovation project is nearing the halfway point, left. The most visible sign of progress is the nearly completed exterior of the Paterno Library. The next phase of the project will be a renovation of East Pattee, expected to begin in October.

Photos: Greg Grieco

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